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FIELD MAINTENANCE PRINT SET

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B-TC-H7104-D-1	+5V/120A POWER SUPPLY
B-DD-H7104-D-0	H7104 5V POWER SUPPLY ASSY
C-UA-H7104-D-0	+5V/120A POWER SUPPLY
E-AD-7016151-0-0	OUTPUT PANEL ASSY, 5V
B-PL-7016151-0-0	OUTPUT PANEL ASSY, 5V
B-DD-5412550-0	MOTHER BD. STAR (H7100)
E-UA-5412550-0-0	H7100 MOTHER BOARD
K-PL-5412550-0-DBP	MOTHER BD. STAR (H7100)
D-CS-5412550-0-1	MOTHER BD. STAR (H7100)
B-DD-5413382-0	H7104 BIAS CONTROL
D-UA-5413382-0-0	H7104 BIAS CONTROL
K-PL-5413382-0-DBP	BIAS CONTROL BD PARTS LIST
D-CS-5413382-0-1	H7104 BIAS CONTROL
B-DD-5413417-0	+/-15 VOLT REGULATOR
D-UA-5413417-0-0	+/-15 VOLT REGULATOR
K-PL-5413417-0-DBP	+/-15 VOLT REG, COMET
D-CS-5413417-0-1	15 VOLT REG. BOARD (H7105)
D-IA-7016515-0-0	+/-15V CABLE ASSY
B-PL-7016515-0-0	+/-15V CABLE PARTS LIST
D-AD-7018512-0-0	BOTTOM PANEL ASSY
K-PL-7018512-0-DBP	BOTTOM PANEL ASSY
D-IA-7016149-0-0	TRANSFORMER ASSY 5.0V
C-IA-7014417-0-0	CHOKE REWORK
D-IA-7016159-0-0	5V CONTROL BD SIGNAL HAR
C-IA-7014105-0-0	JUMPER BLACK
B-DD-5413658-0	SNUBBER BOARD
D-UA-5413658-0-0	SNUBBER BOARD
B-CS-5413658-0-1	SNUBBER BOARD
K-PL-5413658-0-DBP	SNUBBER BOARD
B-DD-5413559-0	OVERVOLTAGE CARD
D-UA-5413559-0-0	OVERVOLTAGE CARD
B-CS-5413559-0	OVERVOLTAGE CARD
K-PL-5413559-0-DBP	OVERVOLTAGE CARD
D-AD-7018511-0-0	CONNECTOR BRKT ASSY
K-PL-7018511-0-DBP	CONNECTOR BRKT ASSY PARTS LIST

UNIT VARIATIONS COVERED BY THIS PRINT SET

H7104-D

Field Maintenance Print Set

MP01021

Digital Equipment Corporation

REV. B

NUMBER H7104-D

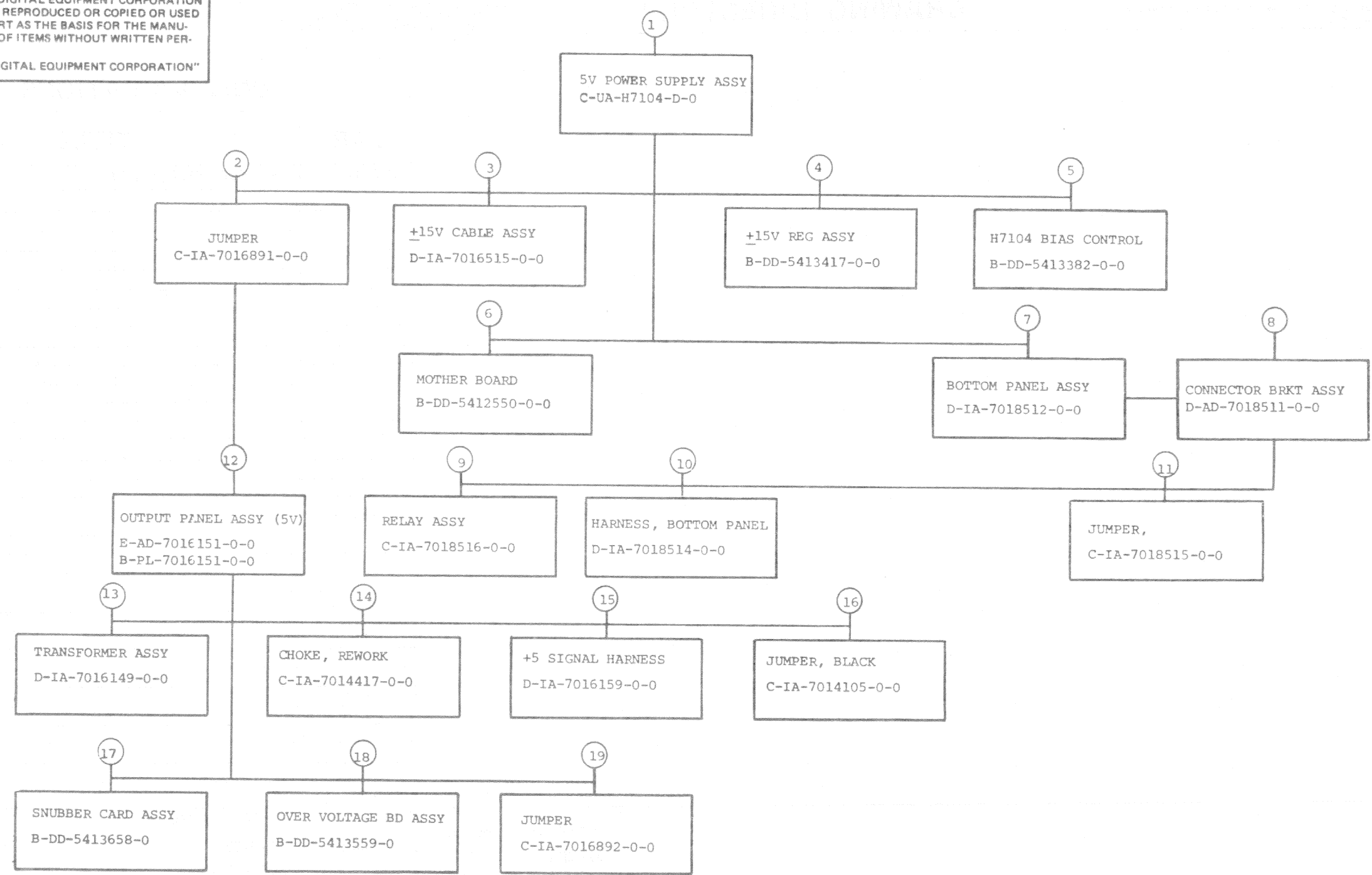
SIZE CODE B TC

REVISIONS	REV	B	USED ON OPTION/MODEL	DRN.	DATE	TITLE: H7104 -D 5 VOLT POWER SUPPLY	digital		
	CHG. NO.	11-82 H7104-TW1		A. MOWRY	7/7/80				
	DATE			CHK'D	DATE				
				J. SULLIVAN	8/28/80				
				PROJ. ENG.	DATE				
				K. KNOWLES	8/28/80				
			FIELD SERV.	DATE	SIZE	CODE	NUMBER	REV.	
					B	TC	H7104-D-1	B	
						DIST.			
SHEET 1 OF 1				George P. White	3/19/8				

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REV	B	NUMBER	H7104-D-0	CODE	DD	SIZE	B
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TITLE	H7104-D 5V POWER SUPPLY ASSY	SIZE	CODE	NUMBER	REV
SHEET 2 OF 4		B DD		H7104-D-0	B

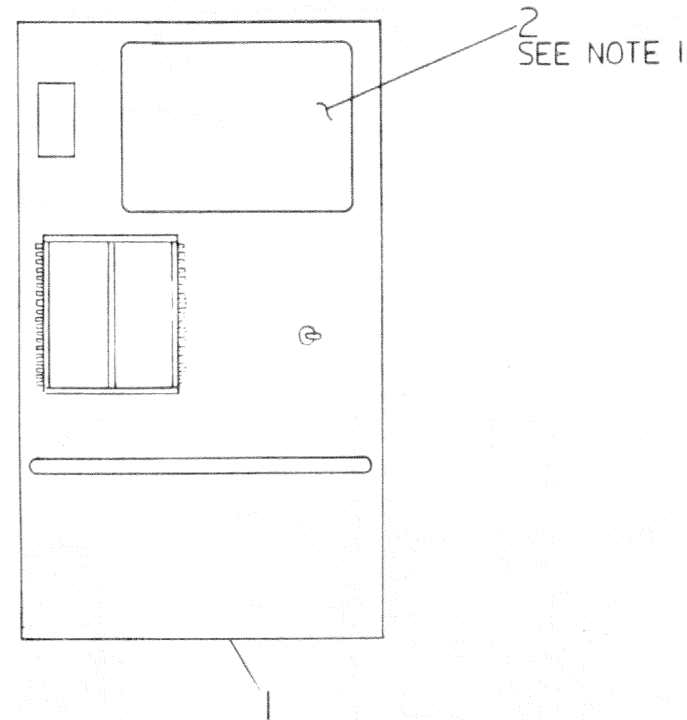
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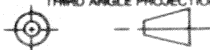
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REVISION HISTORY		
DATE	ECO NUMBER	REV.
MB	H7104 - TW001	B
<i>Change 1 308/14/12</i>		
K. KNOWLES		
<i>308/14/12</i>		

DASC 1000

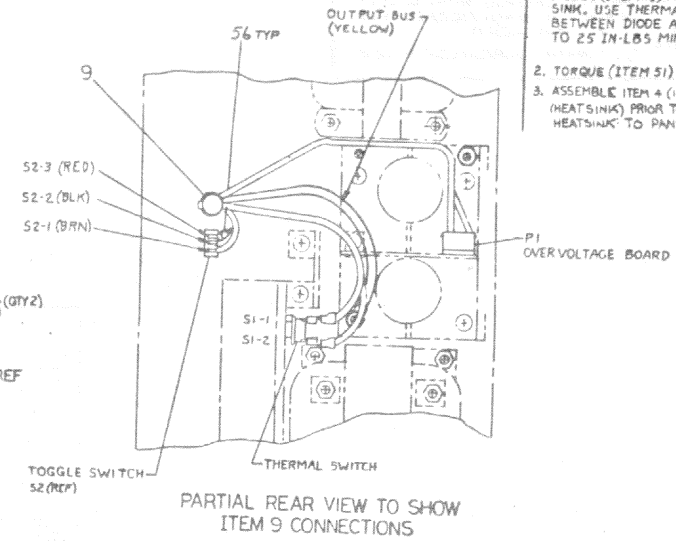
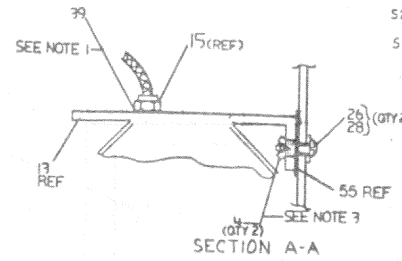
NOTES:
1. APPLY LABEL (ITEM 2) APPROXIMATELY WHERE SHOWN.



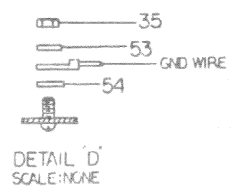
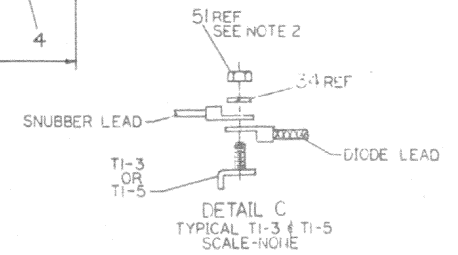
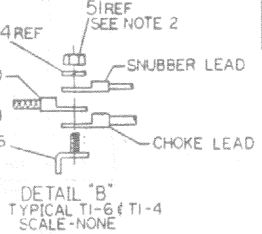
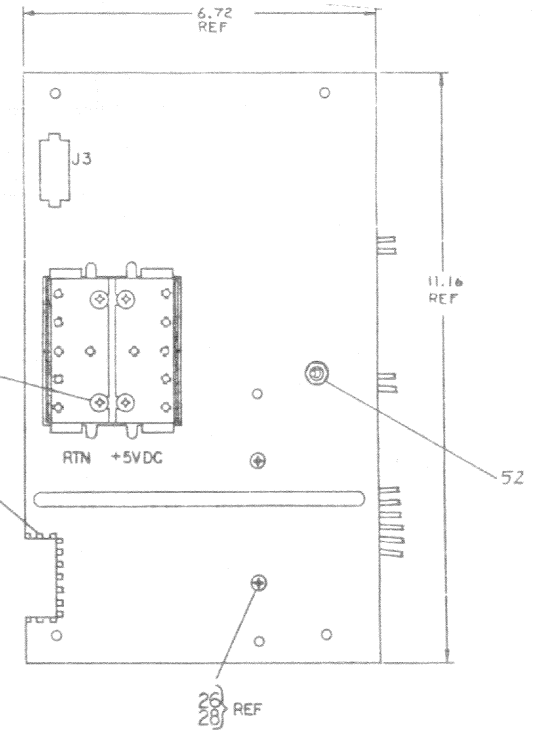
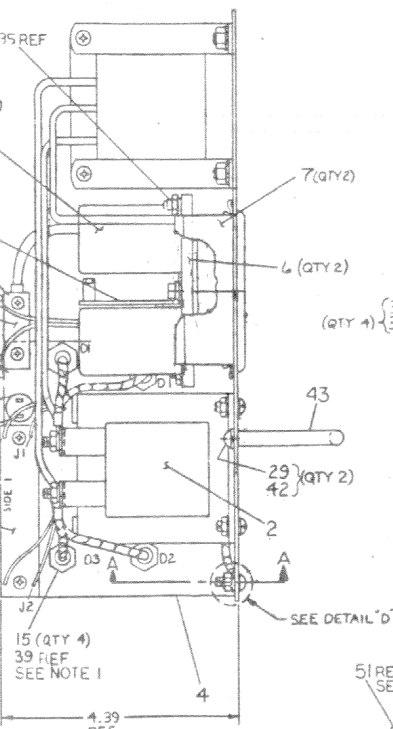
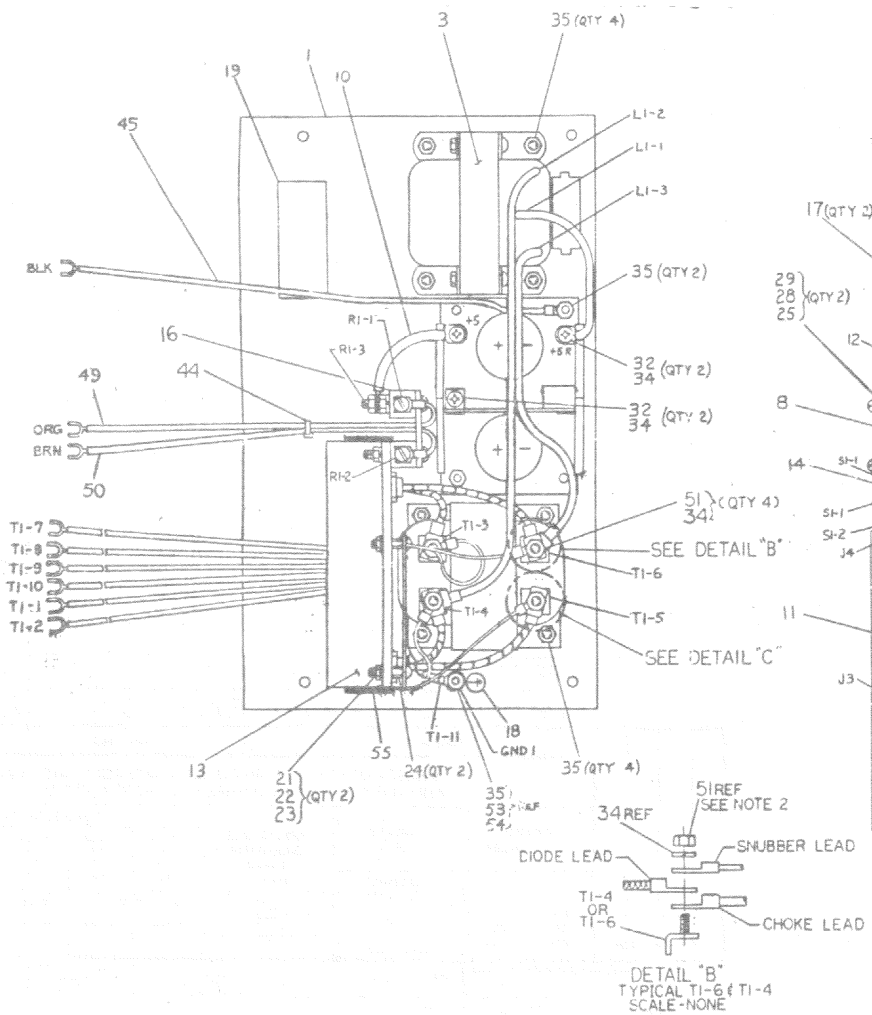
1 LABEL SELF STICKING		3618536-02		2					
1 5V POWER SUPPLY ASSY		EAD-7016156-00		1					
DESCRIPTION		DRAWING NO.		PART NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)									
INCHES TOLERANCES		ANGLES ± 0° 30'	DIMENSIONS RANGE IN INCHES						
		SURFACE QUALITY	APPLICABLE DIMENSION RANGE (CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
			<input type="checkbox"/>	± .05	± .05	± .05	± .10		
QUANTITY & VARIATION		MICROINCHES	<input type="checkbox"/>	± .004	± .005	± .012	± .016	± .034	± .04
X = ± .1 XX = ± .02 XXX = ± .005			<input type="checkbox"/>						
THIRD ANGLE PROJECTION		DATE		TITLE					
		7-23-80		H7104-Digital					
DO NOT SCALE DRAWING		DATE		5V POWER					
REMOVE BURRS AND BREAK SHARP CORNERS		DATE		SUPPLY ASSY					
MATERIAL		DATE		DOCUMENT NUMBER					
SEE PARTS LIST		DATE		B					
FINISH		DATE		SCALE					
NEXT DRAWING DOC.		DATE		SHEET					
B-DD-H7104-D		DATE		OF					

TW 1

WIRE TABLE										PRECUT LENGTH
ITEM NO	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM		
45	18	BLK	+5R							11.00 ±.50 IN
50	18	ORN	RI-1			48				13.00 ±.50 IN
49	18	BRN	RI-2			48				13.00 ±.50 IN
11	22	RED		71		TI-3				
	22	RED		72		TI-4				
	22	RED		73		TI-5				
	22	RED		74		TI-6				
10	8	BLK		RI-3		+5				
						TI-3				
						TI-4				
						TI-5				
2						TI-6				
						D-4				
						D-2				
						D-3				
3	14	GRN/YEL		TI-11		GND 1				
	8	BLK		LI-1		+5R				
	8	BLK		LI-2		TI-4				
	8	BLK		LI-3		TI-6				
4	22	BLK				S2-3		54		
		BRN				S2-2		54		
						S2-1		54		
						S1-1				
9	18	WHT								
9	18	GRN								
9	18	YEL				OUTPUT BUS +				



- NOTES
1. DIODES (ITEM 15) MUST SEAT FLUSH ON WAT SINK. USE THERMAL GREASE (ITEM 39) BETWEEN DIODE AND HEAT SINK. TORQUE TO 25 IN-LBS MIN. TILL DIODE SEATS.
 2. TORQUE (ITEM 51) TO 20 INCH-LBS.
 3. ASSEMBLE ITEM 4 (ISOLATOR) 2 PLACES IN TORS (HEAT SINK) PRIOR TO FINAL ASSEMBLY OF HEAT SINK TO PANEL.



CAUTION: OFF SHEET PARTS LIST
SEE K-PL-7016151-0-DBP

DESCRIPTION		QTY		PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
ANGLE	CLASS OF	QTY	QTY	QTY	QTY	QTY	QTY
90°	90°	1	1	1	1	1	1
180°	180°	1	1	1	1	1	1
270°	270°	1	1	1	1	1	1
360°	360°	1	1	1	1	1	1
450°	450°	1	1	1	1	1	1
540°	540°	1	1	1	1	1	1
630°	630°	1	1	1	1	1	1
720°	720°	1	1	1	1	1	1
810°	810°	1	1	1	1	1	1
900°	900°	1	1	1	1	1	1
990°	990°	1	1	1	1	1	1
1080°	1080°	1	1	1	1	1	1
1170°	1170°	1	1	1	1	1	1
1260°	1260°	1	1	1	1	1	1
1350°	1350°	1	1	1	1	1	1
1440°	1440°	1	1	1	1	1	1
1530°	1530°	1	1	1	1	1	1
1620°	1620°	1	1	1	1	1	1
1710°	1710°	1	1	1	1	1	1
1800°	1800°	1	1	1	1	1	1
1890°	1890°	1	1	1	1	1	1
1980°	1980°	1	1	1	1	1	1
2070°	2070°	1	1	1	1	1	1
2160°	2160°	1	1	1	1	1	1
2250°	2250°	1	1	1	1	1	1
2340°	2340°	1	1	1	1	1	1
2430°	2430°	1	1	1	1	1	1
2520°	2520°	1	1	1	1	1	1
2610°	2610°	1	1	1	1	1	1
2700°	2700°	1	1	1	1	1	1
2790°	2790°	1	1	1	1	1	1
2880°	2880°	1	1	1	1	1	1
2970°	2970°	1	1	1	1	1	1
3060°	3060°	1	1	1	1	1	1
3150°	3150°	1	1	1	1	1	1
3240°	3240°	1	1	1	1	1	1
3330°	3330°	1	1	1	1	1	1
3420°	3420°	1	1	1	1	1	1
3510°	3510°	1	1	1	1	1	1
3600°	3600°	1	1	1	1	1	1
3690°	3690°	1	1	1	1	1	1
3780°	3780°	1	1	1	1	1	1
3870°	3870°	1	1	1	1	1	1
3960°	3960°	1	1	1	1	1	1
4050°	4050°	1	1	1	1	1	1
4140°	4140°	1	1	1	1	1	1
4230°	4230°	1	1	1	1	1	1
4320°	4320°	1	1	1	1	1	1
4410°	4410°	1	1	1	1	1	1
4500°	4500°	1	1	1	1	1	1
4590°	4590°	1	1	1	1	1	1
4680°	4680°	1	1	1	1	1	1
4770°	4770°	1	1	1	1	1	1
4860°	4860°	1	1	1	1	1	1
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5040°	5040°	1	1	1	1	1	1
5130°	5130°	1	1	1	1	1	1
5220°	5220°	1	1	1	1	1	1
5310°	5310°	1	1	1	1	1	1
5400°	5400°	1	1	1	1	1	1
5490°	5490°	1	1	1	1	1	1
5580°	5580°	1	1	1	1	1	1
5670°	5670°	1	1	1	1	1	1
5760°	5760°	1	1	1	1	1	1
5850°	5850°	1	1	1	1	1	1
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6030°	6030°	1	1	1	1	1	1
6120°	6120°	1	1	1	1	1	1
6210°	6210°	1	1	1	1	1	1
6300°	6300°	1	1	1	1	1	1
6390°	6390°	1	1	1	1	1	1
6480°	6480°	1	1	1	1	1	1
6570°	6570°	1	1	1	1	1	1
6660°	6660°	1	1	1	1	1	1
6750°	6750°	1	1	1	1	1	1
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7020°	7020°	1	1	1	1	1	1
7110°	7110°	1	1	1	1	1	1
7200°	7200°	1	1	1	1	1	1
7290°	7290°	1	1	1	1	1	1
7380°	7380°	1	1	1	1	1	1
7470°	7470°	1	1	1	1	1	1
7560°	7560°	1	1	1	1	1	1
7650°	7650°	1	1	1	1	1	1
7740°	7740°	1	1	1	1	1	1
7830°	7830°	1	1	1	1	1	1
7920°	7920°	1	1	1	1	1	1
8010°	8010°	1	1	1	1	1	1
8100°	8100°	1	1	1	1	1	1
8190°	8190°	1	1	1	1	1	1
8280°	8280°	1	1	1	1	1	1
8370°	8370°	1	1	1	1	1	1
8460°	8460°	1	1	1	1	1	1
8550°	8550°	1	1	1	1	1	1
8640°	8640°	1	1	1	1	1	1
8730°	8730°	1	1	1	1	1	1
8820°	8820°	1	1	1	1	1	1
8910°	8910°	1	1	1	1	1	1
9000°	9000°	1	1	1	1	1	1
9090°	9090°	1	1	1	1	1	1
9180°	9180°	1	1	1	1	1	1
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9360°	9360°	1	1	1	1	1	1
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9540°	9540°	1	1	1	1	1	1
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9720°	9720°	1	1	1	1	1	1
9810°	9810°	1	1	1	1	1	1
9900°	9900°	1	1	1	1	1	1
9990°	9990°	1	1	1	1	1	1

AUTOMATED BY PRTLST.4Q(50)

P A R T S L I S T

SHEET A1 OF A2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION 00
1	1	D-MD-7422007-0-0	7422007-00	PANEL TOP 5V	1
2	2	D-IA-7016149-0-0	7016149-00	TRANSFORMER ASSY. 5 VOLTS	1
3	3	C-IA-7014417-0-0	7014417-01	CHOKE, REWORK	1
4	4	C-MD-7425403-0-0	7425403-00	ISOLATOR	2
5	5	BLANK		*** THIS ITEM IS NOT USED ***	-
6	6		1216852-01	BUS BAR	2
7	7		1217703-00	BUS BAR, MOUNTING BLOCK	2
8	8		1216559-00	MOUNTING PLATE, SHUNT	1
9	9	C-IA-7016159-0-0	7016159-00	SIGNAL HARNESS 5V CONTROL BOARD	1
10	10	C-IA-7014105-0-0	7014105-00	JUMPER	1
11	11	D-UA-5413658-0-0	5413658-00	SNUBBLE BOARD	1
12	12	D-UA-5413559-0-0	5413559-00	OVER VOLTAGE BOARD	1
13	13		1217473-00	HEAT SINK, W/JEDEC D05 4.500X4.25	1
14	14		1214259-01	THERMOSTAT, 00177, C0212 W/.500STU	1
15	15		1114197-00	60 AMP POWER SCHOTTKY DIODE	4
16	16		1314174-00	100.0A SHUNT	1
17	17		1014338-00	15,000 MFD 7.5V 20% AL EL	2
18	18		3612680-00	DECAL, GROUND SIGN PER 3E6 *	1
19	19		9009255-01	LABEL, POWER SUPPLY, 2-7/8" LG X	1
20	20	BLANK		*** THIS ITEM IS NOT USED ***	-
21	21		9008037-01	SCREW, MACH PAN PHIL 6-	2
22	22		9007801-00	WASHER, HELICAL SPLIT SST	2
23	23		9006560-00	NUT, HEX EXT TOOTH LCKWSHR 6-32	2
24	24		9006842-00	SPACER, THREADED HEX ALUM 6-3	2
25	25		9006036-01	SCREW, MACH PAN PHIL 8-	2
26	26		9009800-08	SCREW, TAP PAN PHIL THD RL 8-	2
27	27	BLANK		*** THIS ITEM IS NOT USED ***	-
28	28		9006660-00	WASHER, FLAT SST	4
29	29		9006690-00	WASHER, HELICAL SPLIT SST	4
30	30	BLANK		*** THIS ITEM IS NOT USED ***	-

REVISION HISTORY			BASIC PART NO: 7016151			D I G I T A L									
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	T.MCCULLOUGH	DATE: 24-MAR-81	TITLE PARTS LIST								
---	INITIAL	D	SECTION. VARIATION INDEX	CHK'D:	J.SULLIVAN	DATE: 24-MAR-81	OUTPUT PANEL ASSY 5V								
KK	7016151-TW004	E	[A] 00				DOCUMENT NUMBER								
			[B]	DES.ENG.:	K.KNOWLES	DATE: 24-MAR-81	SIZE CODE NUMBER REV								
			[C]	RESP.ENG.:	K.KNOWLES	DATE: 24-MAR-81	K PL 7016151-0-DBP E								
			[D]												
			[E]	MFG.ENG.:	G.RAINAULT	DATE: 24-MAR-81	FILE NAME: Z2316E.PLS								
			[F]	ASSEMBLY NUMBER:	E-AD-7016151-0-0	TOP DOCUMENT NUMBER:	EDIT # 7								

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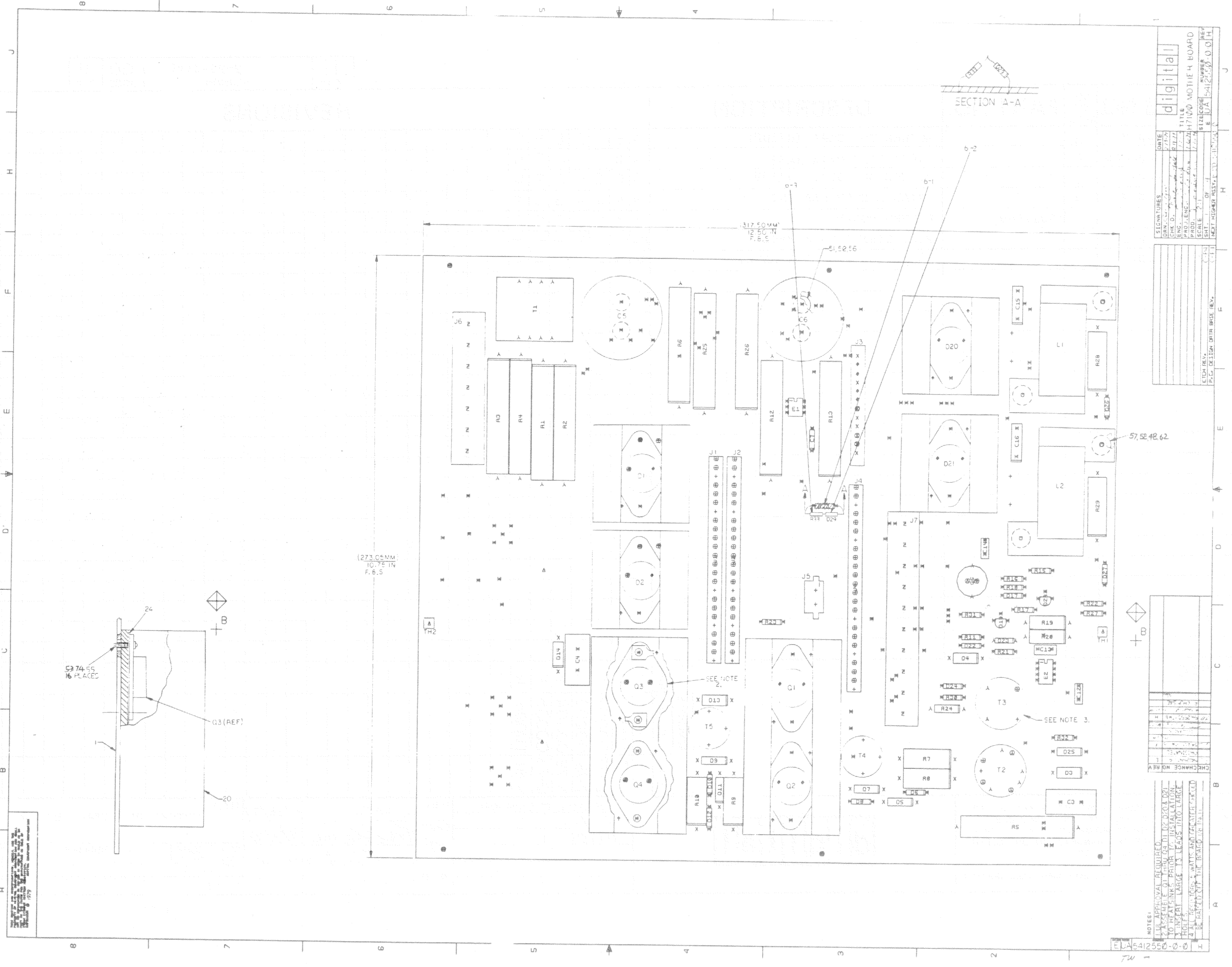
PARTS LIST

SHEET A2 OF A2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
31	31	BLANK		*** THIS ITEM IS NOT USED ***	-
32	32		9006070-01	SCREW,MACH PAN PHIL 10-	4
33	33		9006346-08	SCREW,CAP SOC HEX 10-	4
34	34		9007906-00	WASHER,HELICAL SPLIT STEEL	12
35	35		9006565-00	NUT,HEX EXT TOOTH LCKWSHR 10-32	11
36	36	BLANK		*** THIS ITEM IS NOT USED ***	-
37	37	BLANK		*** THIS ITEM IS NOT USED ***	-
38	38		9007036-00	GROMMET,CATERPILLAR POLYAMIDE	A/R
39	39		9008268-00	COMPOUND, THERMAL JOINT	A/R
40	40	BLANK		*** THIS ITEM IS NOT USED ***	-
41	41	BLANK		*** THIS ITEM IS NOT USED ***	-
42	42		9006037-01	SCREW,MACH PAN PHIL 8-	2
43	43		1214361-00	HANDLE,ALUMINUM, 6"X 1.5" X 1/4	1
44	44		9007031-00	TIE,CABLE BUNDL.DIA 0- 3/4"=101	1
45	45		7016892-00	JUMPERS,(B)	1
46	46	BLANK		*** THIS ITEM IS NOT USED ***	-
47	47	BLANK		*** THIS ITEM IS NOT USED ***	-
48	48	BLANK		*** THIS ITEM IS NOT USED ***	-
49	49		7016891-02	JUMPERS,(A)	1
50	50		7016891-01	JUMPERS,(A)	1
51	51		9009005-00	NUT,HEX 10-32X .246AF SS/N	4
52	52		1211180-01	SW,TOG 1PDT ON-OFF-ON SA	1
53	53		9006664-00	WASHER,FLAT SST	1
54	54		9007651-00	WASHER,LOCK EXTERNAL STEEL	1
55	55		1213071-11	INSULATOR,RUBBER,THERMAL	1
56	56		9107829-00	TUBING,SHRINK .093ID EXP	A/R
57	57	BLANK		*** THIS ITEM IS NOT USED ***	-

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							OUTPUT PANEL ASSY 5V		K	PL	7016151-0-DBP	E

[illegible]



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J

H

F

E

D

C

B

A

REVISIONS		
CHK	CHANGE NO.	REV.

01-00-00.0

8 7 6 5 4 3 2 1

7

6

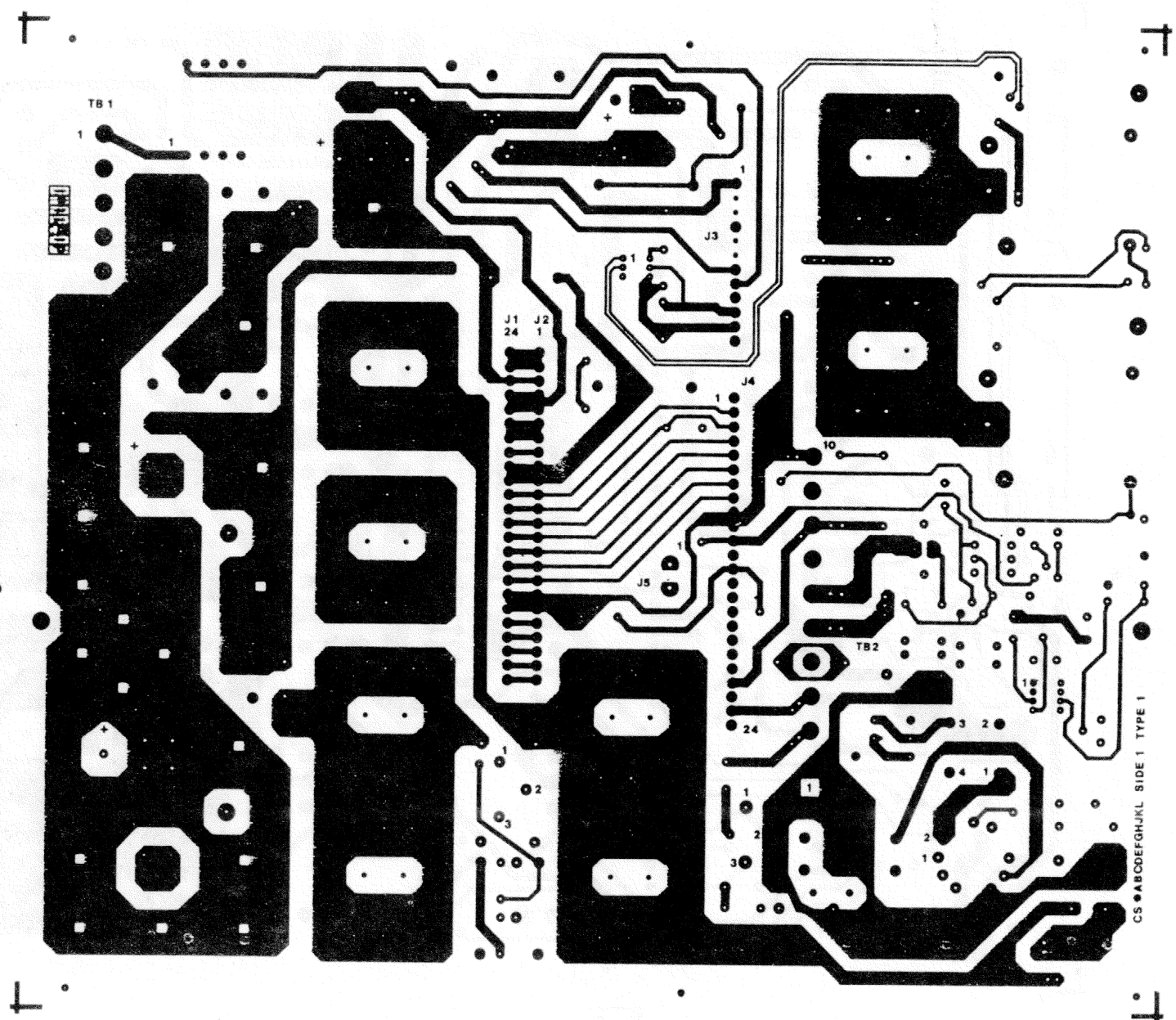
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4

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U/L APPROVAL REQUIRED

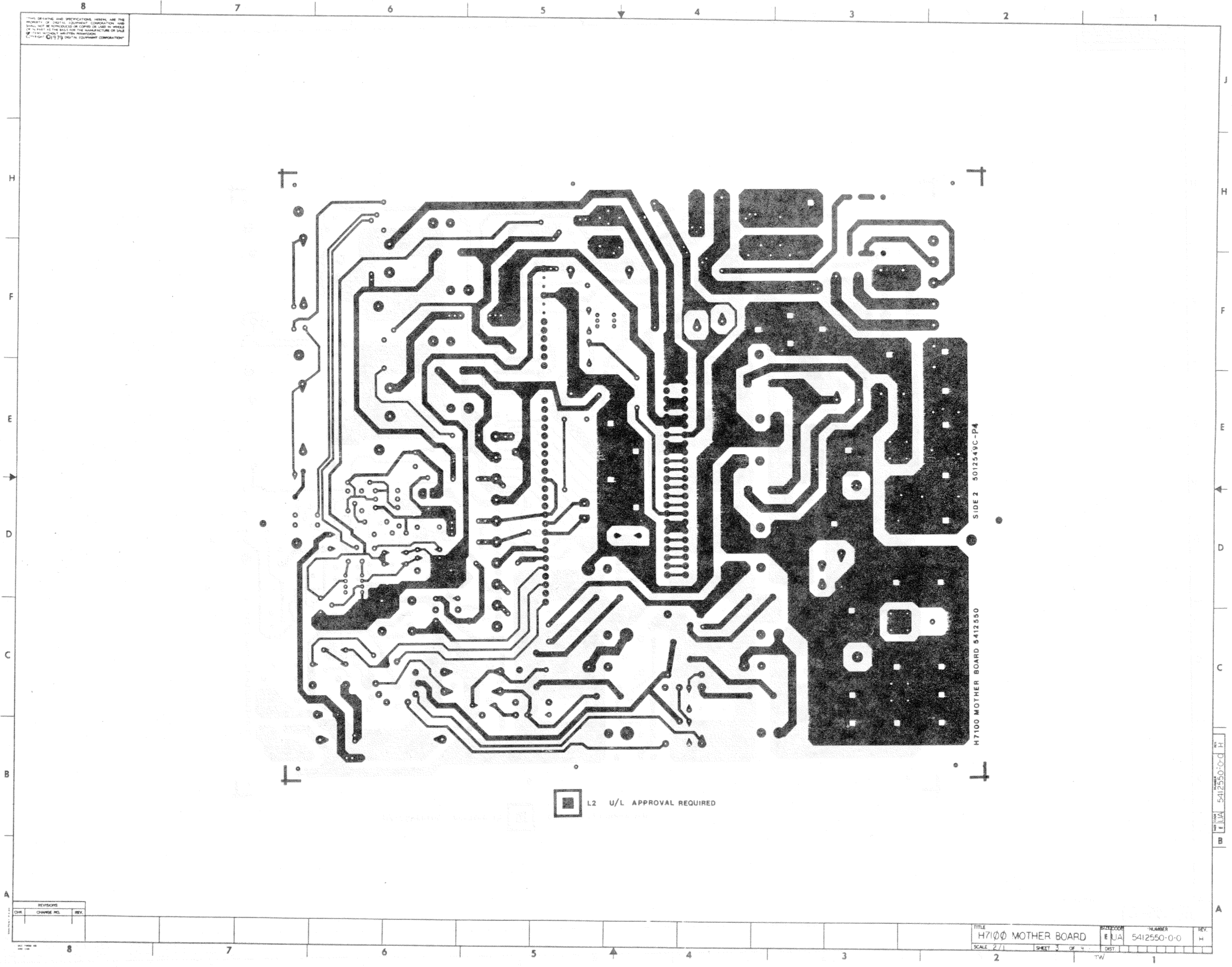


L1 5412550 5012549C-P4

CS *ABODEFGHJKL SIDE 1 TYPE 1

TITLE		NUMBER		REV
47100 MOTHER BOARD		EUA	5412550-0-0	
SCALE	2/1	SHEET	2 OF 1	DIST.

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REVISIONS		
CHG	CHANGE NO.	REV.

TITLE		DRAWING NUMBER		REV.
H7100 MOTHER BOARD		EUA 5412550-0-0		
SCALE	2/1	SHEET	3 OF 4	DIST.
2			TW	1

5412550-0-0
EUA
B

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REWORK INSTRUCTIONS
COMPONENT DELETES (SIDE 1)
5-1 DELETE R33, ITEM 69, P/N 1301972-00.
COMPONENT ADDS (SIDE 1)
6-2 ADD DIODE D29, ITEM 75, CATHODE
TO PTH TO THE LEFT OF J4-3.
6-3 ADD R33, ITEM 69, FROM D29-ANODE
TO PTH TO THE LEFT OF D29.

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE
H7100 MOTHER BOARD

DOCUMENT NUMBER		
REV	CLASS	REV
SCALE: NONE SHEET 4 OF 4		

AUTOMATED BY PRTLST.3L(35)

P A R T S L I S T

SHEET A1 OF A2

LINE ITEM DOCUMENT NUMBER PART NUMBER DESCRIPTION QTY PER VARIATION REFERENCE DESIGNATOR
00

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	D-MD-5012549-0-0	5012549-00	54-12550 PC BOARD	1	
		1000009-00	33.0 MMF 100V 5%200PPM MICA	1	C13
		1001610-01	.01 MFD50/100V +80-20% DISC	1	C12
		1014337-00	2800 MFD 55V 20% AL EL	2	C5,C6
		1011847-02	.01 MFD 500V 10% POLYPROP	2	C3,C4
		1011847-03	.0047 MFD 600V 10% POLYPROP	2	C15,C16
		1114192-01	TR=200NS COM. ANODE	1	D21
		1105648-00	1N 4744 VZ= 15.0 10% 1W	1	D23
		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	4	D6,D8,D10,D12
		1105275-00	D 672 TR= 15NS PIV= 60V SI	1	D24
		1109519-00	*** THIS ITEM IS NOT USED ***	1	
		1110968-00	2N 5062 SCR3100V I=.8A T092	2	D19,D28
		1111205-00	SCREENED VZ= 5.7 2% .40W	2	D17,D22
		1112594-02	A115M PIV=600 I= 3A	4	D3,D4,D13,D14
		1114193-00	PIV=600 I=30A COM. CATH	1	D1
		1114193-01	PIV=600 I=30A COM. ANOD	1	D2
		1114196-00	1N 5339A VZ= 5.6 10% 5W	4	D5,D7,D9,D11
		1114192-00	TR=200NS COM. CATHODE	1	D20
		1214255-04	HEAT SINK, SINGLE, T03 W/THREADE	4	
		1214255-05	HEAT SINK, DOUBLE, T03 W/THREADE	4	
		1212297-00	MATE-N-LOK 2PIN UNIV HEADER	2	J5
		1214257-00	EDGE CARD 12POS STRAIGHT .156CC	1	J3
		1214257-02	EDGE CARD 24POS STRAIGHT .156CC	3	J4,J1,J2
		1213071-02	INSULATOR,RUBBER SILICONE SM	8	
		1300229-00	100.0 .25 W 5.0 % CC	2	R16,R18
		1300398-00	1.80 K .25 W 5.0 % CC	1	R21
		1301320-00	1.20 K .25 W 5.0 % CC	1	R22
		1303114-00	1.0 K .25 W 1.0 % RN55D-F10	1	R23
		1302466-00	*** THIS ITEM IS NOT USED ***	1	
		1302751-00	30.0 .25 W 5.0 % CC	1	R15

REVISION HISTORY		BASIC PART NO: 5412550	
ENG	ECO NUMBER	REV	SECTION A OF A
CSL	INITIAL	E	SECTION VARIATION INDEX
RC	TWOOS	F	[A] 00
	5412550-TWOOS	H	[B]
			[C]
			[D]
			[E]
			[F]
			[H]
			[J]
			[K]
			[L]
			[M]
			[N]

DRN:	A.COLON	DATE:	01-AUG-79
CHK'D: <td>K.GLEEZEN<td>DATE:<td>01-AUG-79</td></td></td>	K.GLEEZEN <td>DATE:<td>01-AUG-79</td></td>	DATE: <td>01-AUG-79</td>	01-AUG-79
DES.ENG: <td>C.S.LANDINO<td>DATE:<td>01-AUG-79</td></td></td>	C.S.LANDINO <td>DATE:<td>01-AUG-79</td></td>	DATE: <td>01-AUG-79</td>	01-AUG-79
RESP.ENG.: <td>C.S.LANDINO<td>DATE:<td>01-AUG-79</td></td></td>	C.S.LANDINO <td>DATE:<td>01-AUG-79</td></td>	DATE: <td>01-AUG-79</td>	01-AUG-79
MFG.ENG.: <td>E.BLAIR<td>DATE:<td>01-AUG-79</td></td></td>	E.BLAIR <td>DATE:<td>01-AUG-79</td></td>	DATE: <td>01-AUG-79</td>	01-AUG-79
ASSEMBLY NUMBER: <td>D-UA-5412550-0-0<td>TOP DOCUMENT NUMBER:<td></td></td></td>	D-UA-5412550-0-0 <td>TOP DOCUMENT NUMBER:<td></td></td>	TOP DOCUMENT NUMBER: <td></td>	

TITLE	PARTS LIST
MOTHER BD. STAR(H7100)	
DOCUMENT NUMBER	
SIZE	CODE
5412550-0-DBP	H
FILE NAME:	EDIT #
20629H.PLS	7

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PARTS LIST

SHEET A2 OF A2

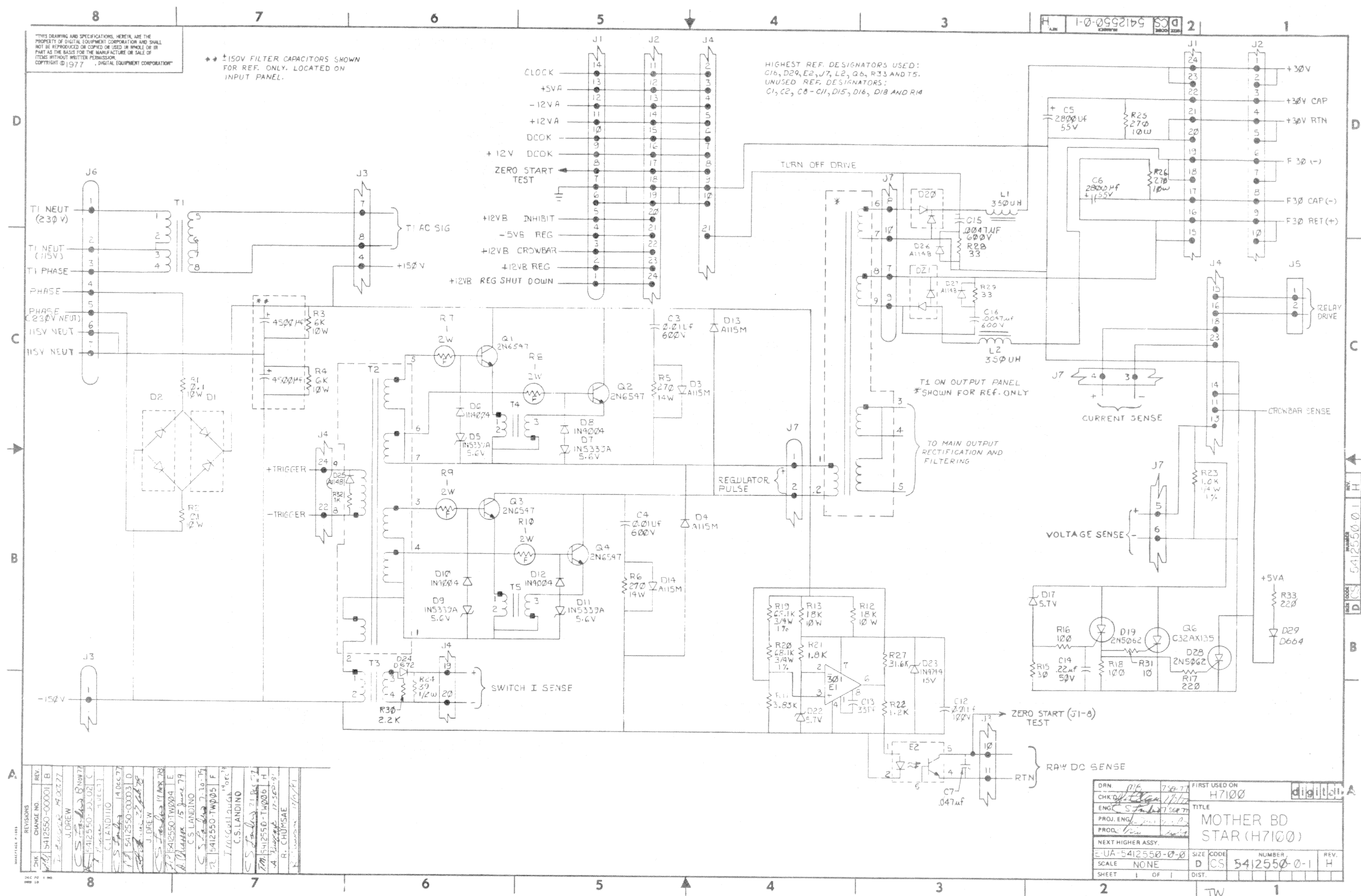
LINE ITEM DOCUMENT NUMBER PART NUMBER DESCRIPTION QTY PER VARIATION 00 REFERENCE DESIGNATOR

75	75	1302884-00	68.10 K .75 W 1.0 % RN65D-F10	2	R19,R20
75	75	1309413-00	3.83 K .25 W 1.0 % RN55D-F10	1	R11
75	75	1309108-00	.10 10.0 W 1.0 % WW	1	R1,R2
75	75	1303297-00	6.0 K 10.0 W 5.0 % WW	1	R3,R4
75	75	1314172-00	270.0 14.0 W 5.0 % WW	1	R5,R6
75	75	1314350-00	1.0 2.0 W 10.0 % FUSE	1	R7-R10
75	75	1314544-00	270.0 10.0 W 5.0 % WW	1	R25,R26
75	75	1314173-00	18.0 K 10.0 W 5.0 % WW	1	R12,R13
75	75	1302336-00	39.0 .50 W 5.0 % CC	1	R24
75	75	1305419-00	31.60 K .25 W 1.0 % RN55D-F10	1	R27
75	75	1314351-00	33.0 5.0 W 10.0 % WW	1	R28,R29
75	75	1514195-00	2N 6547 NPN 400V SI 15A	1	Q1-Q4
75	75	1510928-00	C32AX135 SCR 100V I=25A	1	Q6
75	75	1612919-01	XFMR P=AB S= 12.6CT 100MA 50HZ	1	T1
75	75	1614204-00	PULSE XFMR 20312 BASE DRIVE	1	T2
75	75	1614202-00	XFMR CURRENT	1	T3
75	75	1614203-00	CHOK, BALUN-COMMON MODE	1	T4,T5
75	75	1614334-00	1.6 UH 10A	1	L1,L2
75	75	1910282-00	301AN OP AMP	1	E1
75	75	1914194-00	OPTP-COUPLED ISOLATOR	1	
75	75	9000038-08	SCREW,PAN,PHIL 10-32X 7/16 BR/T	4	
75	75	9007906-00	WASHER, LOCK S.S. #10	4	
75	75	9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	16	
75	75	9009676-00	TERM,SOLDER BARRIER STR	16	
75	75	9010164-00	WASHER, FLAT, .380 OD X .203 ID	4	
75	75	9006656-00	WASHER, FLAT, .312 O.D. X .156 I	4	
75	75	9007801-00	WASHER, LOCK, S.S. #6	4	
75	75	9107688-33	*** THIS ITEM IS NOT USED ***	1	
75	75	1212484-05	TERM BLOCK 7POS	1	J6
75	75	1212484-04	TERM BLOCK 10POS .375 SPACING PC	1	J7
75	75	9006023-01	SCREW,PAN,PHIL 6-32X 7/16 SS	4	
75	75	1112595-01	A114B PIV=200 I= 1A	3	D25-D27
75	75	1300365-00	1.0 K .25 W 5.0 % CC	1	R32
75	75	9107560-03	*** THIS ITEM IS NOT USED ***	1	
75	75	9107278-11	*** THIS ITEM IS NOT USED ***	1	
75	75	9008376-00	*** THIS ITEM IS NOT USED ***	1	
75	75	1300271-00	220.0 .25 W 5.0 % CC	2	R17,R33
75	75	1301317-00	10.0 .25 W 5.0 % CC	1	R31
75	75	1300417-00	2.20 K .25 W 5.0 % CC	1	R30
75	75	1012784-00	.047 MFD 50V +80-20% CER	1	C7
75	75	1010274-01	.22 MFD 50V +80-20% Z5U CER	1	C14
75	75	9007649-00	WASHER, LOCK, EXTERNAL TOOTH #6	16	
75	75	1100114-00	D 664 QS-75PCB PIV= 25V SP	1	D29

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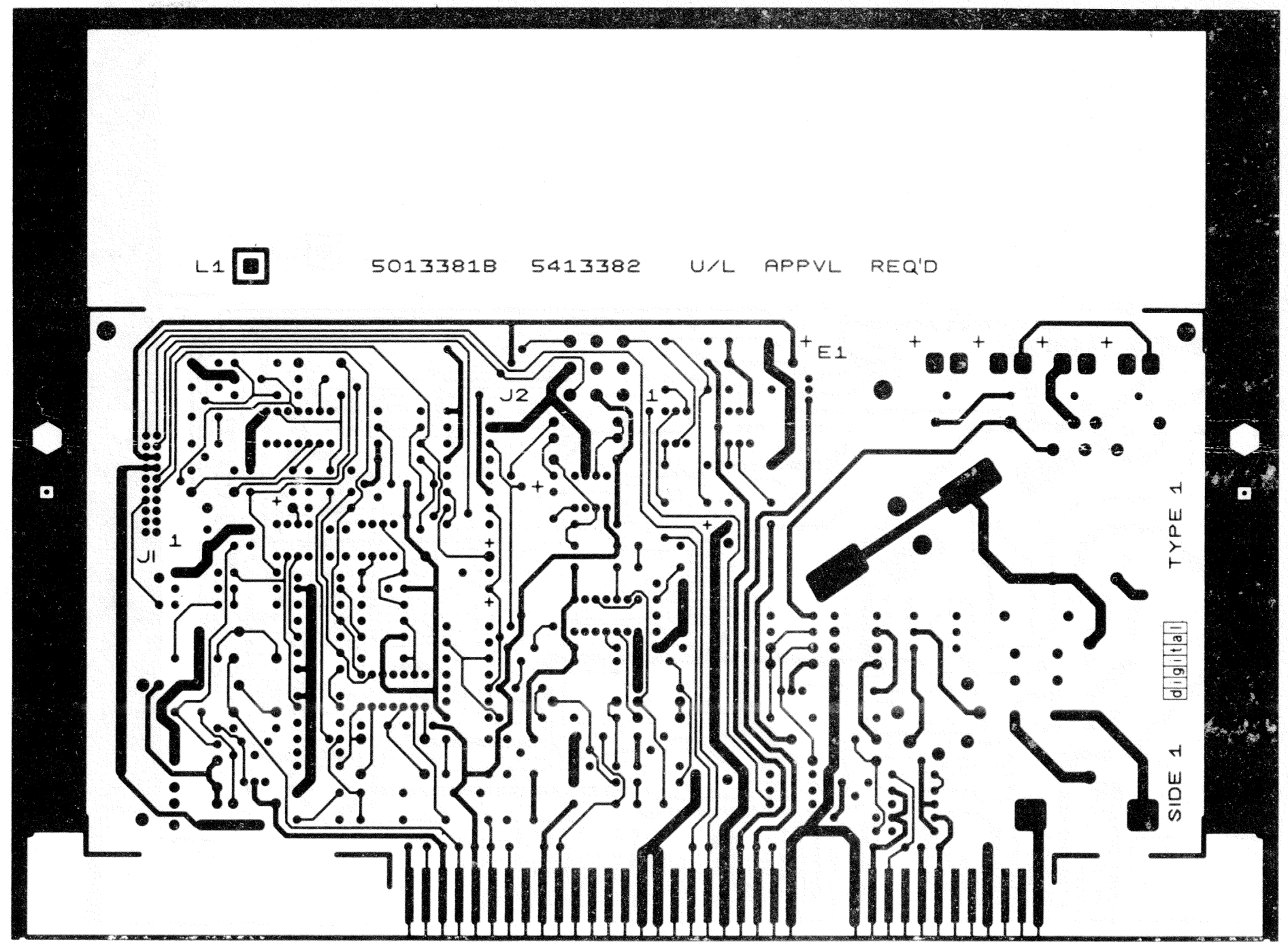
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							MOTHER BD. STAR(H7100)		K	PL	5412550-0-DBF	H



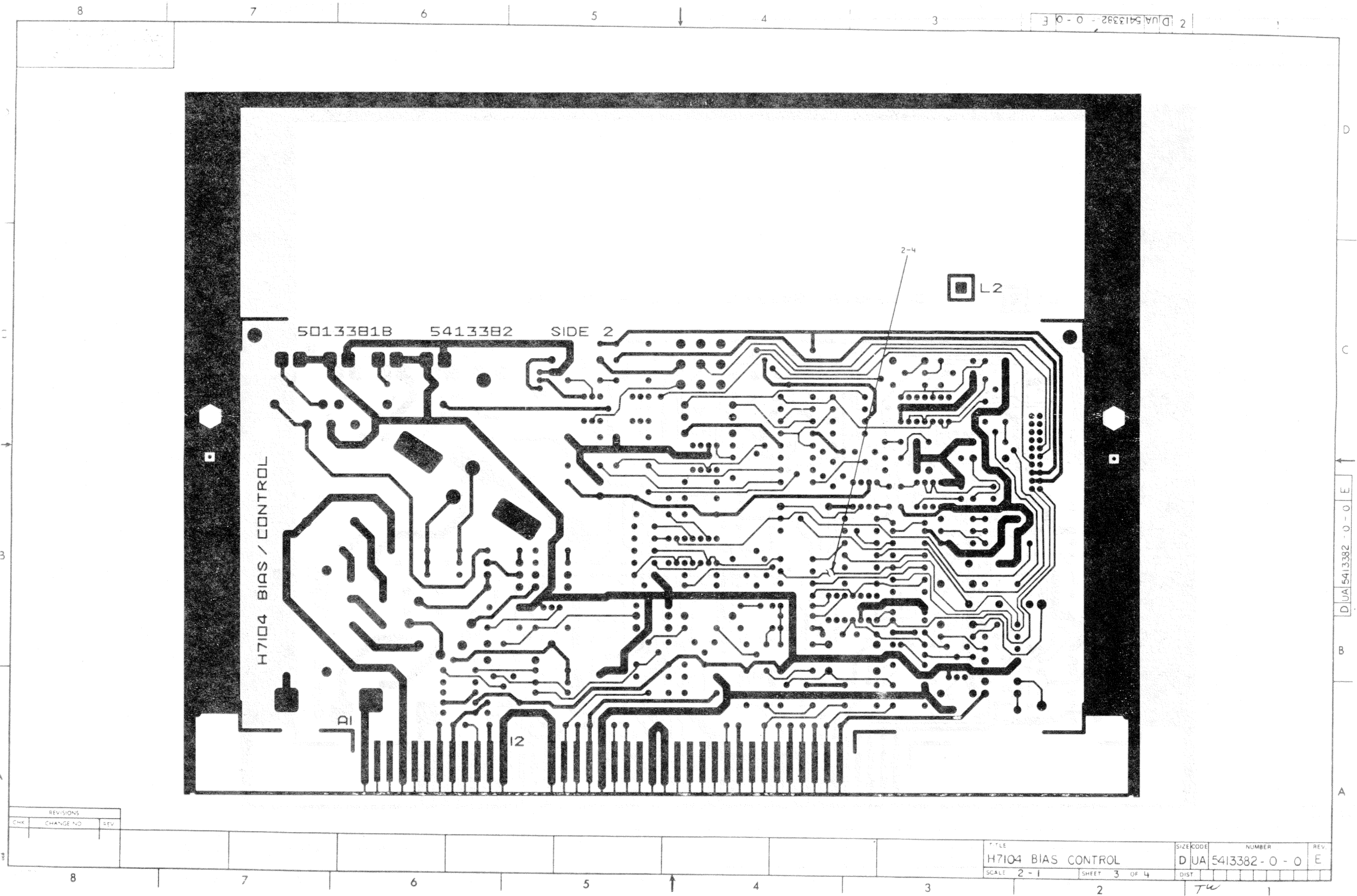
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REVISIONS		
CHK	CHANGE NO.	REV

TITLE H7104 BIAS CONTROL		SIZE CODE D UA	NUMBER 5413382 - 0 - 0	REV. E
SCALE 2 - 1	SHEET 2	OF 4	DIST.	





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ECO #2 REWORK INSTRUCTIONS
COMPONENT DELETES SIDE 1
2-1 REMOVE Q8.
2-2 REMOVE R17.
2-3 LIFT LEFT HAND LEAD OF D39 (ANODE).
ETCH CUTS SIDE 2
2-4 CUT ETCH BETWEEN LEFT LEAD OF D42 (CATHODE) AND LEFT LEAD OF D36 (CATHODE).
DRILL HOLES
2-5 DRILL #54 HOLE 0.10" ABOVE RIGHT LEAD OF R16.
2-6 DRILL #54 HOLE ON LINE BETWEEN LEFT LEAD OF C13 AND E6-8, 0.60" ABOVE E6-8.
HARDWARE ADDS SIDE 1
2-7 ADD GRIPLET, ITEM 105, IN HOLE DRILLED IN STEP 2-6.
WIRE ADDS SIDE 1
2-8 ITEM 106 BETWEEN RIGHT LEAD OF R55 AND GRIPLET INSTALLED IN STEP 2-7.
COMPONENT ADDS SIDE 1
2-9 ADD Q8, ITEM 104.
2-10 ADD R17, ITEM 39.
2-11 ADD R96, ITEM 103, LEFT LEAD IN GRIPLET AND RIGHT LEAD IN HOLE DRILLED IN STEP 2-6. ON SIDE 2, USE ITEM 107 ON RIGHT LEAD OF R96 CONNECT TO RIGHT LEAD OF D42 (CATHODE).
2-12 ADD D44, ITEM 21, CATHODE PIGTAILED TO D39 ANODE, ANODE OF D44 IN PTH BELOW LEFT LEAD OF R94.

ECO #3 REWORK INSTRUCTIONS
COMPONENT DELETES SIDE 1
3-1 REMOVE Q10
COMPONENT ADDS SIDE 1
3-2 ADD Q10 ITEM 104

REVISION HISTORY		
DATE	ECO NUMBER	REV.

								TITLE		DOCUMENT NUMBER		REV.
								H7104 BIAS CONTROL		SIZE CODE	NUMBER	E
										D UA	5413382-0-0	
										SCALE	SHEET	
										NONE	4 OF 4	

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013381-0-0	5013381-00	BIAS CONTROL	1	
			1000009-00	33.0 MMF 100V 5%200PPM MICA	2	C14,C23
			1000010-00	39.0 MMF 100V 5%200PPM MICA	2	C20,C28
			1000030-00	.1 MFD 100V 20% Z5U DISC	1	C3
			1000042-00	1000.0 MMF 100V 5%200PPM MICA	4	C16,C25,C27,C29
			1015755-00	.047 MFD 270V 20% POLYPROP	1	C32
			1000055-00	2200.0 MMF 250V 20% Y5S DISC	1	C30
			1001610-01	.01 MFD50/100V +80-20% DISC	6	C12,C17,C18,C36,C26,C39
			1001776-00	1 MFD 35V 10% S.TANT	3	C4,C13,C24
			1002315-00	2000.0 MMF 500V 5%200PPM MICA	1	C2
			1002504-00	3600.0 MMF 100V 5%200PPM MICA	1	C9
			1004813-00	10 MFD 20V 10% S.TANT	2	C15,C37
			1004814-00	47 MFD 20V 10% S.TANT	1	C38
			1000026-00	680.0 MMF 100V 5%200PPM MICA	1	C10
			1009678-00	.047 MFD 16V +80-20%YST DISC	4	C33,C34,C35,C41
			1011847-01	.01 MFD 400V 10% POLYPROP	2	C22,C31
			1011849-01	600 MFD 25V +75-10% AL EL	1	C11
			1012607-00	560 MFD 20V+100-10% AL EL	4	C5-C8
			1013669-04	1 MFD 400V 10% M.POLYPROP	1	C1
			1014169-00	1000.0 MMF 100V 1%200PPM MICA	1	C19
			1105275-00	D 672 TR= 15NS PIV= 60V SI	14	D8,D21,D24,D35,D34,D39,D40,D25, D37,D38,D42,D43,D30,D44
			1105796-00	1N 4004 PIV=400 I= 1A D041 SP	7	D4,D6,D14,D15,D16,D17,D41
			1105871-00	1/4MS.1A2I = 5.1 1% .25W N	1	D18
			1111205-00	SCREENED VZ= 5.7 2% .40W	1	D23
			1112594-01	A115B PIV=200 I= 3A	2	D5,D7
			1112595-01	A114B PIV=200 I= 1A	16	D10,D11,D12,D9,D13,D19,D20,D22, D36,D27,D26,D29,D31,D32,D33,D28, D2,D3
27	27		1112595-02	A114M PIV=600 I= 1A	2	
28	28		1113123-00	1.5K3200 VOLT.TRANS.SUPRESS. 220	1	D1

REVISION HISTORY		BASIC PART NO: 5413382		DRN: C.A.CASCIO		DATE: 1-DEC-78		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: F.GAROFALO		DATE: 14-DEC-78		TITLE PARTS LIST	
---	INIT	A	SECTION VARIATION INDEX	DES.ENG: J.DAVIS		DATE: 14-DEC-78		BIAS CONTROL BD	
KN	5413382-TW001	B	[A] 00	RESP.ENG.: J.DAVIS		DATE: 14-DEC-78		DOCUMENT NUMBER	
JD	5413382-TW002	C	[B]	MFG.ENG.: J.DAVIS		DATE: 14-DEC-78		SIZE CODE NUMBER REV	
			[C]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		K PL 5413382-0-DBP C	
			[D]	D-UA-5413382-0-0				FILE NAME: 20656C.PLS EDIT # 27	
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			[F]						
			[G]						
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AUTOMATED BY PRTLST.1D(10)

P A R T S L I S T

SHEET A2 OF A3

LINE ITEM DOCUMENT NUMBER

PART NUMBER

DESCRIPTION

QTY PER VARIATION
00

REFERENCE DESIGNATOR

29	29	1212297-02	MATE-N-LOK 9PIN UNIV HEADER	1	J2
30	30	1212487-01	HEAT SINK EXTRUSION PLASTIC STAM	1	
31	31	1213071-02	INSULATOR, RUBBER SILICONE SM	1	
32	32	1213426-03	HEAT SINK TO-3 1" HIGH	1	
33	33	1217727-00	HEADER 20PIN PC MTG	1	J1
34	34	1300197-00	33.0 .25 W 5.0 % CC	1	R95
35	35	1300202-00	47.0 .25 W 5.0 % CC	4	R71, R73, R2, R94
36	36	1300229-00	100.0 .25 W 5.0 % CC	2	R3, R22
37	37	1300247-00	120.0 .25 W 5.0 % CC	1	R53
38	38	1300287-00	270.0 1.0 W 10.0 % CC	2	R5, R57
39	39	1303178-00	620.0 .25 W 5.0 % CC	1	R17
40	40	1300316-00	470.0 .25 W 5.0 % CC	3	R4, R5, R54
41	41	1300347-00	680.0 .50 W 5.0 % CC	1	R83
42	42	1300365-00	1.0 K .25 W 5.0 % CC	15	R7-R9, R12, R13, R15, R23, R26, R50, R61, R42, R69, R70, R85, R89
43	43	1300439-00	3.30 K .25 W 5.0 % CC	1	CONT R66
44	44	1300447-00	4.70 K .25 W 5.0 % CC	2	R43, R91
45	45	1300479-00	10.0 K .25 W 5.0 % CC	20	CONT R18, R19, R16, R39, R65, R67, R64, R78, CONT R79, R46, R47, R51, R52, R82, R90, R88, CONT R74, R77, R92, R80
46	46	1300496-00	15.0 K .25 W 5.0 % CC	1	R75
47	47	1301425-00	300.0 .25 W 5.0 % CC	1	R37
48	48	1302091-00	330.0 K .25 W 5.0 % CC	1	R43
49	49	1302377-00	39.0 .25 W 5.0 % CC	1	R55
50	50	1302466-00	100.0 K .25 W 5.0 % CC	1	R14
51	51	1302479-00	200.0 K .50 W 5.0 % CC	3	R33, R62, R76
52	52	1302395-00	56.0 K .25 W 5.0 % CC	1	R72
53	53	1302859-00	5.76 K .25 W 1.0 % RN55D-F10	2	R40, R86
54	54	1302941-00	14.70 K .25 W 1.0 % RN55D-F10	1	R21
55	55	1305108-00	1.47 K .25 W 1.0 % RN55D-F10	1	R67
56	56	1303303-00	2.61 K .25 W 1.0 % RN55D-F10	1	R10
57	57	1304833-00	1.96 K .25 W 1.0 % RN55D-F10	1	R11
58	58	1304841-00	75.0 K .25 W 5.0 % CC	1	R68
59	59	1305124-00	287.0 .25 W 1.0 % RN55D-F10	1	R58
60	60	1305265-00	39.20 K .25 W 1.0 % RN55D-F10	3	R25, R27, R20
61	61	1305346-00	27.0 K .25 W 5.0 % CC	1	R81
62	62	1305354-00	4.0 K .25 W .10% RN55C-B 5	4	R29, R30, R31, R32
63	63	1305420-00	33.20 K .25 W 1.0 % RN55D-F10	1	R41
64	64	1305421-00	35.70 K .25 W 1.0 % RN55D-F10	1	R59
65	65	1309417-00	27.40 K .25 W 1.0 % RN55D-F10	1	R44
66	66	1309476-00	25.0 6.0 W 1.0 % WW	1	R56
67	67	1309595-00	1.0 M .25 W 5.0 % CC	2	R48, R63
68	68	1303155-00	21.50 K .25 W 1.0 % RN55D-F10	1	R36
69	69	1300426-00	2.70 K .25 W 5.0 % CC	1	R84, R93
70	70	1312926-00	324.0 K .25 W 1.0 % RN55D-F10	2	R35, R50
71	71	1309419-00	19.60 K .25 W 1.0 % RN55D-F10	1	R38
72	72	1313343-00	28.70 K .25 W 1.0 % RN55D-F10	1	R45
73	73	1315764-00	1.0 K 5.0 W 3.0 % WW	1	R1

D	I	G	I	T	A	L	TITLE	BIAS CONTROL BD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413382-0-DBP	C

AUTOMATED BY PRTLST.1D(10)

PARTS LIST

SHEET A3 OF A3

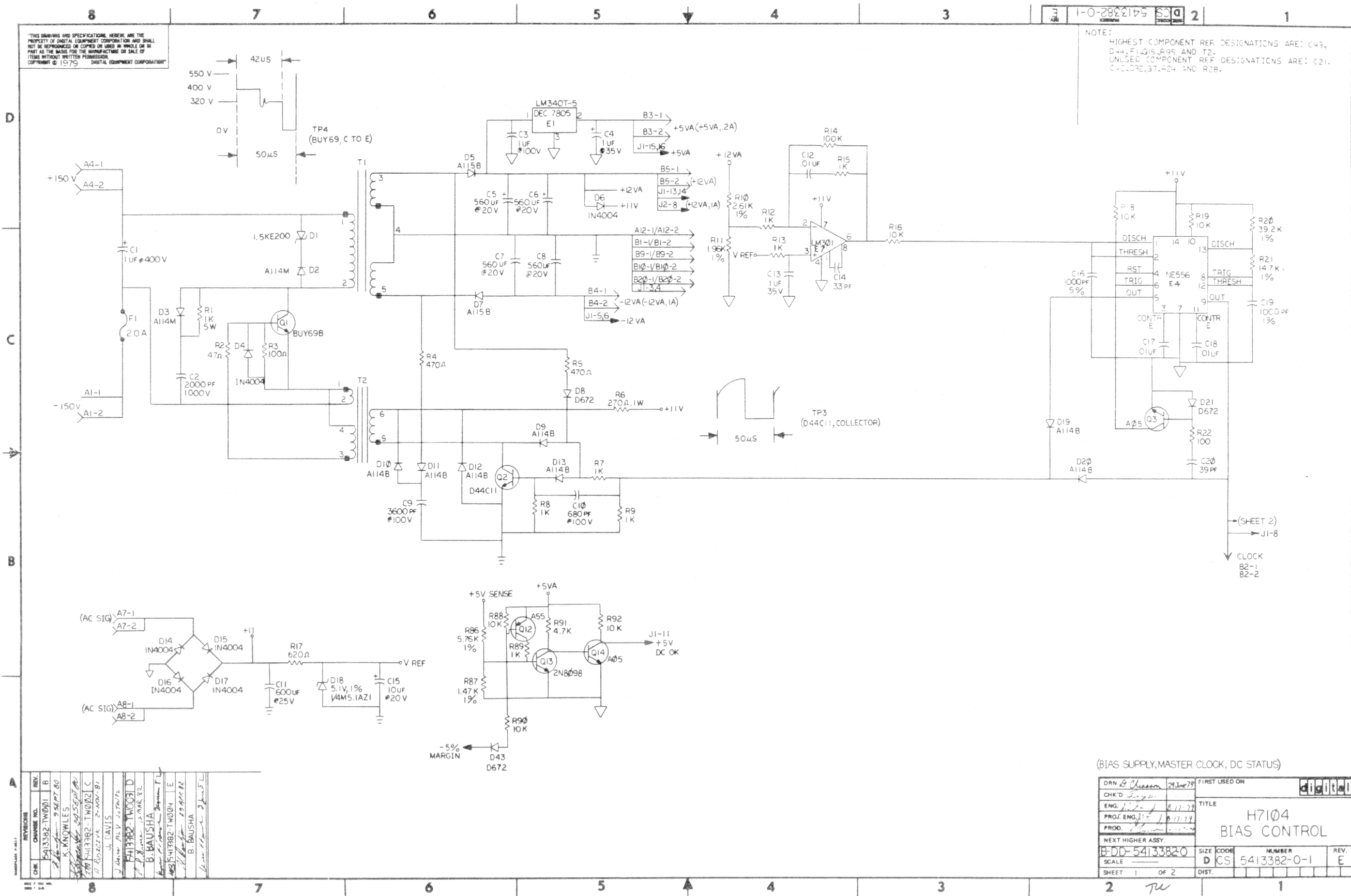
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
108	108		1510705-00	XA 05 NPN 500MW SI 60 50 P	7	Q10,Q14,Q3,Q5,Q7,Q9,Q15
109	109		1510706-00	XA 55 PNP 500MW SI 60 50 P	3	Q11,Q12,Q4
110	110		1512212-00	DEC8098 NPN 350MW SI 60 50	1	Q13
111	111		1512782-00	BUY69A NPN 100N SI325 15	1	Q1
112	112		1512790-00	D 44C12 NPN 30W SI	1	Q2
113	113		1514271-01	D 44Q5 NPN 31W SI225 30	1	Q6
114	114		1614201-00	XFMR,POWER,PC MNT 20KHZ 30W	1	T1
115	115		1614209-00	PULSE XFMR,RATIO 1:8:32	1	T2
116	116		1910282-00	301AN OP AMP	2	E5,E7
117	117		1911944-00	555CN TIMER,FUNCT.BLOCK	1	E6
118	118		1912108-00	339 VOLT CMPRTR,QUAD	1	E6
119	119		1912536-01	7805 VOLT REG,FX +5V	1	E1
120	120		1914194-00	OPTP-COUPLED ISOLATOR	2	E2,E3
121	121		1914392-00	556 TIMER-DUAL	2	E4,E9
122	122		1000004-00	.02 MFD 100V 20% Z5U DISC	1	C42
123	123		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	1	
124	124		9006557-00	NUT,KEP 4-40X 1/4 AF	1	
125	125		9006558-00	NUT,HEX 6-32X5/16AF X 7/	2	
126	126		1010978-36	.1 MFD 50V 10% CER	1	C43
127	127		9007203-00	CLIP,FUSE,WITH STOP, SCREW MOU	2	
128	128		9007793-01	SCREW,PAN,PHIL 6-32X 9/16 SS	2	
129	129		9007801-00	WASHER, LOCK, S.S. #6	2	
130	130		1215536-01	FUSE, REG BLOW, 2.000A 250V C	1	F1
131	131		9009000-00	EYELET,ROLL FLANGE .1210DX .156	2	
132	132		9009597-00	INSULATOR, THERMA-FILM	1	
133	133		9009676-00	TERM,SOLDER BARRIER STR	2	
134	134		9009769-00	WASHER, RECTANGULAR .405X.225X.0	1	
135	135		9107256-11	TUBING,THIN WALL,.027ID UL	A/R	
136	136		1302514-00	39.0 K .25 W 5.0 % CC	1	R34
137	137		1300228-00	100.0 .50 W 5.0 % CC	1	R36
138	138		1516491-00	2N 6427 NPN 1.5W SI 40 1.5	1	Q5
139	139		1210244-01	GRIPLET .050 STRIP FORM	1	
140	140		9105740-55	WIRE(WRAP)30ANG UL1423	A/R	
141	141		9107278-11	TUBING,THIN WALL,.042ID UL	A/R	

108 NOTE: ITEM NUMBER 101, 6" USED.
109 NOTE: ITEM 106 USED IN REWORK STEP 2-8.

D	I	G	I	T	A	L	TITLE	BIAS CONTROL BD	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
										K	PL	5413382-0-DBP	C

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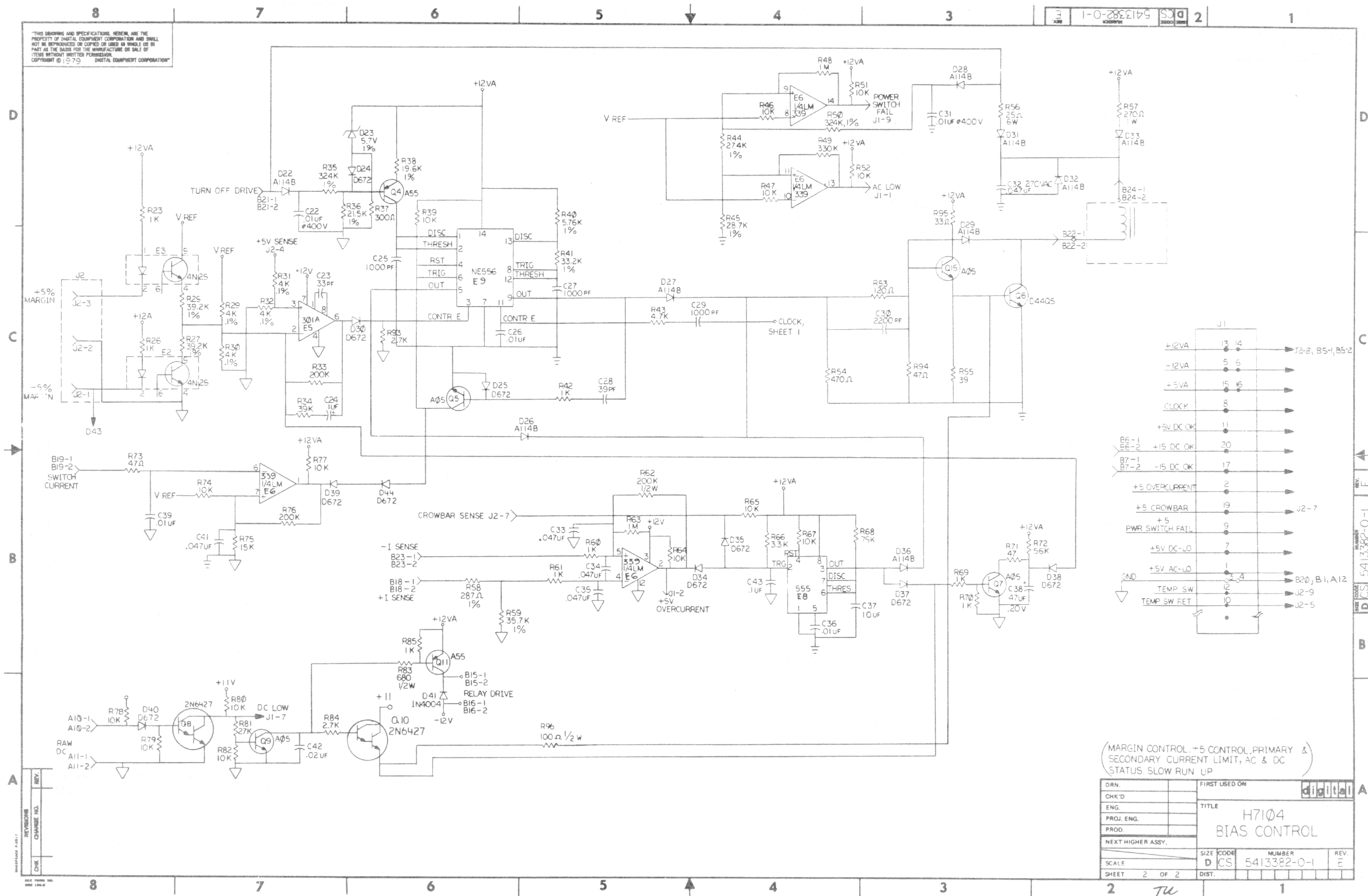
NOTE:
HIGHEST COMPONENT REF DESIGNATIONS ARE: C43, D44, F1, Q15, R95 AND T2.
UNUSED COMPONENT REF DESIGNATIONS ARE: C21, C40, D32, J7, R24 AND R28.



REV.	DATE	BY	CHKD
1	9-17-79	B. BAUSHA	
2	10-17-79	B. BAUSHA	
3	11-17-79	B. BAUSHA	
4	12-17-79	B. BAUSHA	
5	1-17-80	B. BAUSHA	
6	2-17-80	B. BAUSHA	
7	3-17-80	B. BAUSHA	
8	4-17-80	B. BAUSHA	
9	5-17-80	B. BAUSHA	
10	6-17-80	B. BAUSHA	
11	7-17-80	B. BAUSHA	
12	8-17-80	B. BAUSHA	
13	9-17-80	B. BAUSHA	
14	10-17-80	B. BAUSHA	
15	11-17-80	B. BAUSHA	
16	12-17-80	B. BAUSHA	
17	1-17-81	B. BAUSHA	
18	2-17-81	B. BAUSHA	
19	3-17-81	B. BAUSHA	
20	4-17-81	B. BAUSHA	
21	5-17-81	B. BAUSHA	
22	6-17-81	B. BAUSHA	
23	7-17-81	B. BAUSHA	
24	8-17-81	B. BAUSHA	
25	9-17-81	B. BAUSHA	
26	10-17-81	B. BAUSHA	
27	11-17-81	B. BAUSHA	
28	12-17-81	B. BAUSHA	
29	1-17-82	B. BAUSHA	
30	2-17-82	B. BAUSHA	
31	3-17-82	B. BAUSHA	
32	4-17-82	B. BAUSHA	
33	5-17-82	B. BAUSHA	
34	6-17-82	B. BAUSHA	
35	7-17-82	B. BAUSHA	
36	8-17-82	B. BAUSHA	
37	9-17-82	B. BAUSHA	
38	10-17-82	B. BAUSHA	
39	11-17-82	B. BAUSHA	
40	12-17-82	B. BAUSHA	
41	1-17-83	B. BAUSHA	
42	2-17-83	B. BAUSHA	
43	3-17-83	B. BAUSHA	
44	4-17-83	B. BAUSHA	
45	5-17-83	B. BAUSHA	
46	6-17-83	B. BAUSHA	
47	7-17-83	B. BAUSHA	
48	8-17-83	B. BAUSHA	
49	9-17-83	B. BAUSHA	
50	10-17-83	B. BAUSHA	
51	11-17-83	B. BAUSHA	
52	12-17-83	B. BAUSHA	
53	1-17-84	B. BAUSHA	
54	2-17-84	B. BAUSHA	
55	3-17-84	B. BAUSHA	
56	4-17-84	B. BAUSHA	
57	5-17-84	B. BAUSHA	
58	6-17-84	B. BAUSHA	
59	7-17-84	B. BAUSHA	
60	8-17-84	B. BAUSHA	
61	9-17-84	B. BAUSHA	
62	10-17-84	B. BAUSHA	
63	11-17-84	B. BAUSHA	
64	12-17-84	B. BAUSHA	
65	1-17-85	B. BAUSHA	
66	2-17-85	B. BAUSHA	
67	3-17-85	B. BAUSHA	
68	4-17-85	B. BAUSHA	
69	5-17-85	B. BAUSHA	
70	6-17-85	B. BAUSHA	
71	7-17-85	B. BAUSHA	
72	8-17-85	B. BAUSHA	
73	9-17-85	B. BAUSHA	
74	10-17-85	B. BAUSHA	
75	11-17-85	B. BAUSHA	
76	12-17-85	B. BAUSHA	
77	1-17-86	B. BAUSHA	
78	2-17-86	B. BAUSHA	
79	3-17-86	B. BAUSHA	
80	4-17-86	B. BAUSHA	
81	5-17-86	B. BAUSHA	
82	6-17-86	B. BAUSHA	
83	7-17-86	B. BAUSHA	
84	8-17-86	B. BAUSHA	
85	9-17-86	B. BAUSHA	
86	10-17-86	B. BAUSHA	
87	11-17-86	B. BAUSHA	
88	12-17-86	B. BAUSHA	
89	1-17-87	B. BAUSHA	
90	2-17-87	B. BAUSHA	
91	3-17-87	B. BAUSHA	
92	4-17-87	B. BAUSHA	
93	5-17-87	B. BAUSHA	
94	6-17-87	B. BAUSHA	
95	7-17-87	B. BAUSHA	
96	8-17-87	B. BAUSHA	
97	9-17-87	B. BAUSHA	
98	10-17-87	B. BAUSHA	
99	11-17-87	B. BAUSHA	
100	12-17-87	B. BAUSHA	

(BIAS SUPPLY, MASTER CLOCK, DC STATUS)

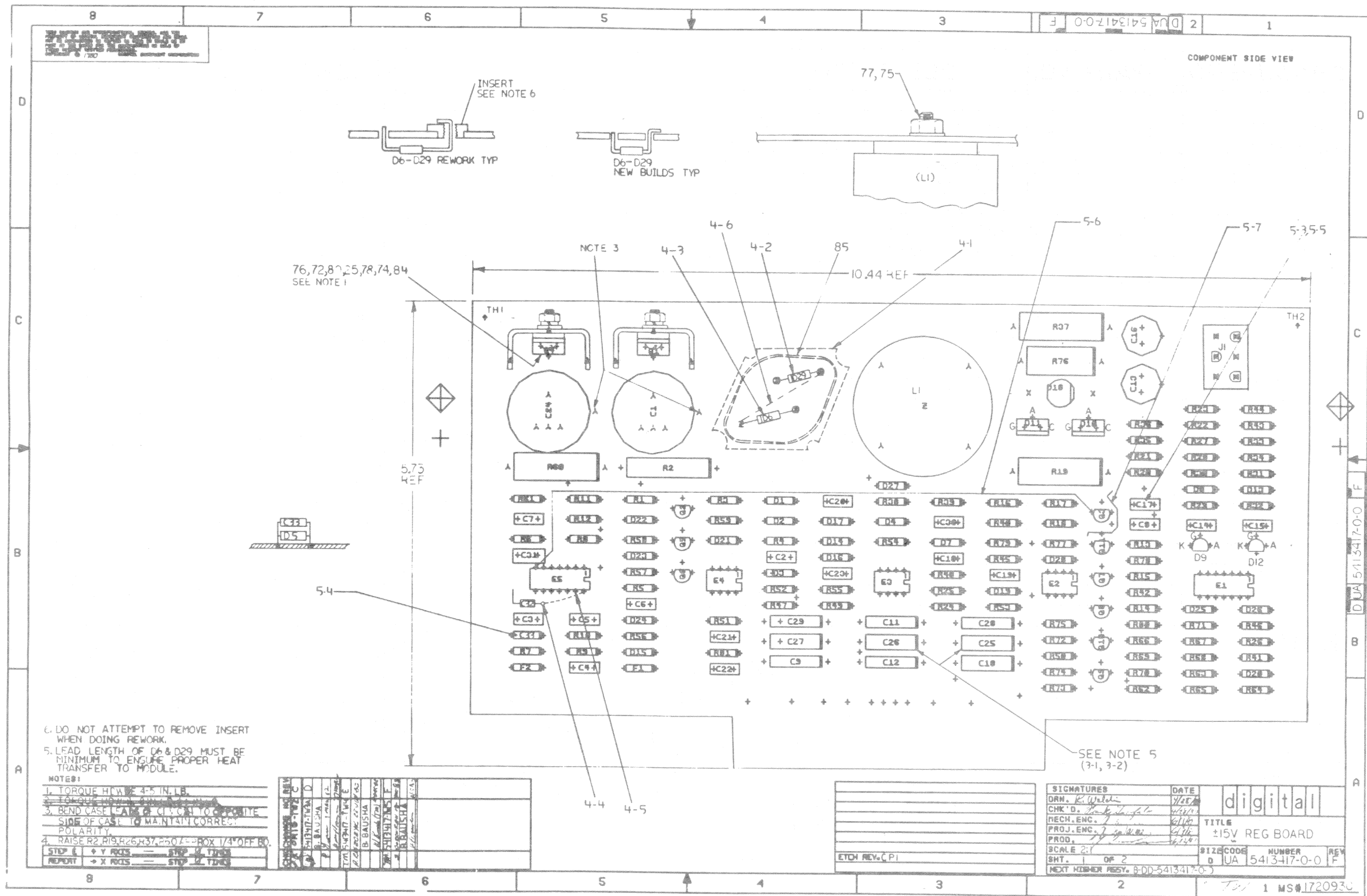
DRN. B. Chasman	11/17/79	FIRST USED ON	digital
CHK'D			
ENG. J. J. J.	8/17/79	TITLE	H7104 BIAS CONTROL
PROJ. ENG. J. J. J.	8/17/79	SIZE	D
PROD.		CODE	CS
NEXT HIGHER ASSY.		NUMBER	5413382-0-1
B-DD-5413382-0		REV.	E
SCALE		DIST.	
SHEET 1	OF 2		



(MARGIN CONTROL, +5 CONTROL, PRIMARY & SECONDARY CURRENT LIMIT, AC & DC STATUS, SLOW RUN UP)

DRN.		FIRST USED ON	
CHK'D		TITLE	H7104
ENG.			BIAS CONTROL
PROJ. ENG.			
PROD.			
NEXT HIGHER ASSY.			
SCALE		SIZE	CODE
SHEET 2 OF 2		D	CS
		NUMBER	5413382-0-1
		REV.	E

[illegible]



6. DO NOT ATTEMPT TO REMOVE INSERT WHEN DOING REWORK.
5. LEAD LENGTH OF D6 & D29 MUST BE MINIMUM TO ENSURE PROPER HEAT TRANSFER TO MODULE.

NOTES:

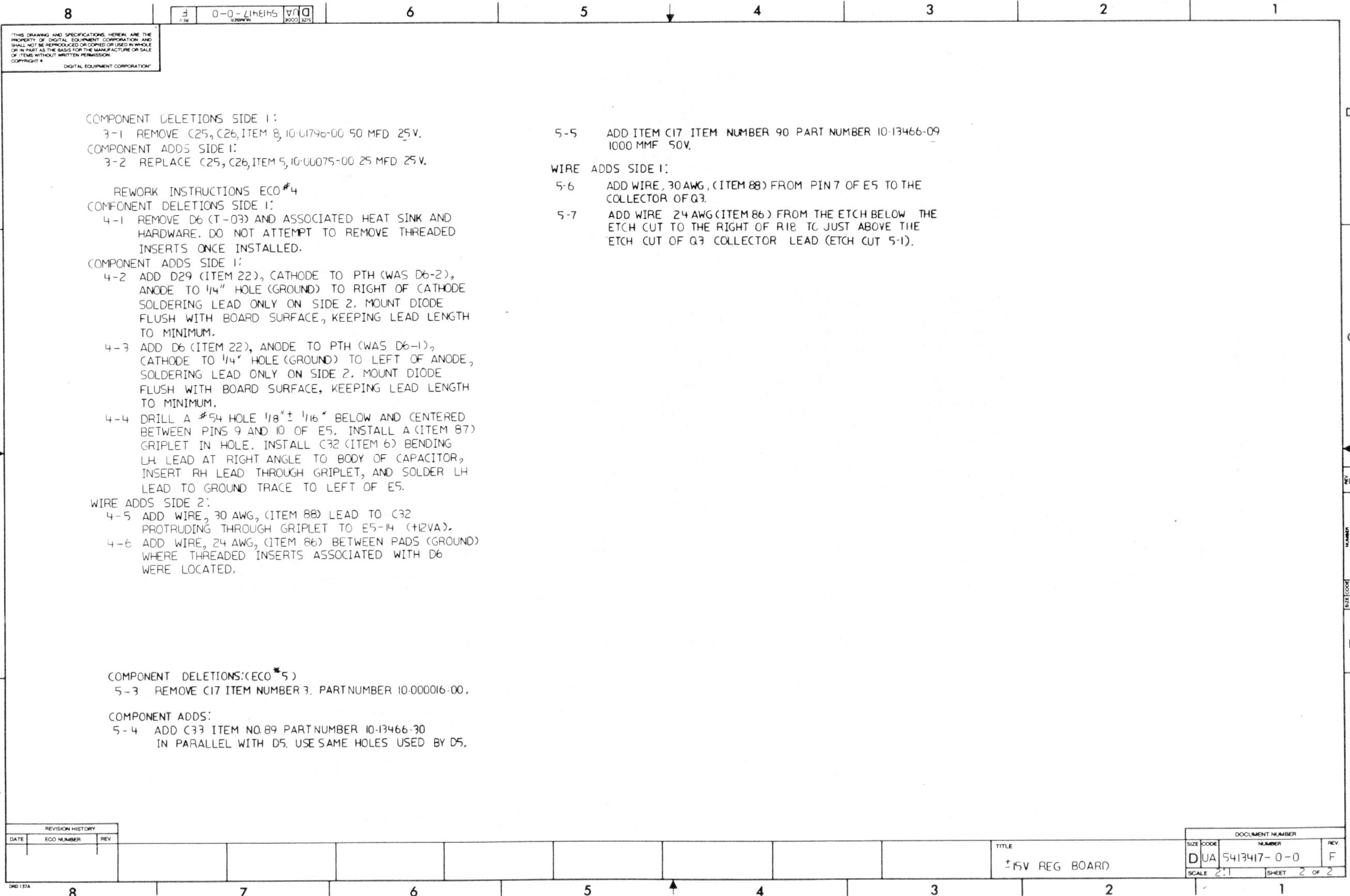
1. TORQUE HCNW 4-5 IN. LB.	2. TORQUE HCNW 4-5 IN. LB.
3. BEND CASE CABLE C1, C2 TO OPPOSITE SIDE OF CASE TO MAINTAIN CORRECT POLARITY.	4. RAISE R2, R19, R26, R37, R50 1/4" OFF BO.

STEP 6	+ Y ROKS	STEP 12	TDRS
REPORT	+ X ROKS	STEP 12	TDRS

DESIGNED BY	BAUSHA
DRAWN BY	BAUSHA
CHECKED BY	BAUSHA
DATE	1/1/70
REV	

ETCH REV	CPI
----------	-----

SIGNATURES	DATE	digital
DRN. R. W. [Signature]	7/25/70	
CHK'D. [Signature]	7/25/70	TITLE ±15V REG BOARD
RECH. ENG. [Signature]	7/25/70	
PROJ. ENG. [Signature]	7/25/70	SIZE CODE NUMBER D UA 5413417-0-0
PROD. [Signature]	7/25/70	
SCALE 2:1		REV F
SHT. 1 OF 2		
NEXT HIGHER ASSY. B-DD-5413417-0-0		



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COMPONENT DELETIONS SIDE 1:

3-1 REMOVE C25, C26, ITEM 8, 10-01796-00 50 MFD 25V.

COMPONENT ADDS SIDE 1:

3-2 REPLACE C25, C26, ITEM 5, 10-00075-00 25 MFD 25V.

REWORK INSTRUCTIONS ECO #4

COMPONENT DELETIONS SIDE 1:

4-1 REMOVE D6 (T-03) AND ASSOCIATED HEAT SINK AND HARDWARE. DO NOT ATTEMPT TO REMOVE THREADED INSERTS ONCE INSTALLED.

COMPONENT ADDS SIDE 1:

4-2 ADD D29 (ITEM 22), CATHODE TO PTH (WAS D6-2), ANODE TO 1/4" HOLE (GROUND) TO RIGHT OF CATHODE. SOLDERING LEAD ONLY ON SIDE 2. MOUNT DIODE FLUSH WITH BOARD SURFACE, KEEPING LEAD LENGTH TO MINIMUM.

4-3 ADD D6 (ITEM 22), ANODE TO PTH (WAS D6-1), CATHODE TO 1/4" HOLE (GROUND) TO LEFT OF ANODE, SOLDERING LEAD ONLY ON SIDE 2. MOUNT DIODE FLUSH WITH BOARD SURFACE, KEEPING LEAD LENGTH TO MINIMUM.

4-4 DRILL A #54 HOLE 1/8" ± 1/16" BELOW AND CENTERED BETWEEN PINS 9 AND 10 OF E5. INSTALL A (ITEM 87) GRIPLET IN HOLE. INSTALL C32 (ITEM 6) BENDING LH LEAD AT RIGHT ANGLE TO BODY OF CAPACITOR, INSERT RH LEAD THROUGH GRIPLET, AND SOLDER LH LEAD TO GROUND TRACE TO LEFT OF E5.

WIRE ADDS SIDE 2:

4-5 ADD WIRE, 30 AWG, (ITEM 88) LEAD TO C32 PROTRUDING THROUGH GRIPLET TO E5-14 (+12VA).

4-6 ADD WIRE, 24 AWG, (ITEM 86) BETWEEN PADS (GROUND) WHERE THREADED INSERTS ASSOCIATED WITH D6 WERE LOCATED.

COMPONENT DELETIONS (ECO #5)

5-3 REMOVE C17 ITEM NUMBER 3. PART NUMBER 10-000016-00.

COMPONENT ADDS:

5-4 ADD C33 ITEM NO. 89 PART NUMBER 10-13466-30 IN PARALLEL WITH D5. USE SAME HOLES USED BY D5.

5-5 ADD ITEM C17 ITEM NUMBER 90 PART NUMBER 10-13466-09 1000 MMF 50V.

WIRE ADDS SIDE 1:

5-6 ADD WIRE, 30 AWG, (ITEM 88) FROM PIN 7 OF E5 TO THE COLLECTOR OF Q3.

5-7 ADD WIRE, 24 AWG (ITEM 86) FROM THE ETCH BELOW THE ETCH CUT TO THE RIGHT OF R18 TO JUST ABOVE THE ETCH CUT OF Q3 COLLECTOR LEAD (ETCH CUT 5-1).

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE
±15V REG BOARD

DOCUMENT NUMBER		
SIZE	CODE	NUMBER
D	UA	5413417-0-0
SCALE		REV
2:1		F
SHEET 2 OF 2		

AUTOMATED BY PRTLST.3H(23)

P A R T S L I S T

SHEET A1 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
					00	
1	1		5013416-00	POSITIVE-NEGATIVE 15VOLT REG. BO	1	
2	2		1000009-00	33.0 MMF 100V 55200PPM MICA	2	C10,C19
3	3		1000016-00	100.0 MMF 100V 5%200PPM MICA	2	C8,C17
4	4		1001776-00	1 MFD 35V 10% S.TANT	2	C9,C18
5	5		1000075-00	25 MFD 25V +75-10% AL EL	1	C27
6	6		1001610-01	.01 MFD50/100V +80-20% DISC	6	C6,C14,C15,C21,C30,C31
7	7		1001631-00	390.0 MMF 100V 5%200PPM MICA	2	C2,C22
8	8		1001796-00	50 MFD 25V +75-10% AL EL	2	C25,C26
9	9		1002627-00	2.2MFD 20V 10% S.TANT	4	C11,C12,C28,C29
10	10		1004813-00	*** THIS ITEM IS NOT USED ***	-	
11	11		1012607-00	560 MFD 20V+100-10% AL EL	2	C13,C16
12	12		1014169-00	1000.0 MMF 100V 1%200PPM MICA	6	C3-C5,C7,C20,C23
13	13		1014228-00	1000 MFD 50V +75-10% AL EL	2	C1,C24
14	14		1105275-00	D 672 TR= 15NS PIV= 60V SI	13	D1-D3,D14,D20-D24,D27,D28,D25, D26
15	15		1105871-00	1/4M5.1AZ1 = 5.1 1% .25W N	2	D7,D19
16	16		1109988-00	1N 964B VZ= 13.0 5% .40W	1	D17
17	17		1109991-00	1N 754A VZ= 6.8 5% .40W	2	D5,D16
18	18		1110420-00	1N 5624 PIV=200 I= 5A	1	D18
19	19		1110488-00	1N 4733 VZ= 5.1 10% 1W N	2	D4,D15
20	20		1110968-00	2N 5062 SCR@100V I=.8A T092	2	D9,D12
21	21		1113117-01	1M 16ZS3 VZ=16.0 3% 1W	2	D8,D13
22	22		1114192-02	TR=200NS DOUBLER CONF.	1	D6
23	23		1210929-01	FUSE, SUB-MINI, 10.000A, 125V, A	2	F1,F2
24	24		1212297-05	MATE-N-LOK 6PIN UNIV HEADER	1	J1
25	25		1213418-01	HEAT SINK,VERTICLE MNT,ALUMINUM	2	
26	26		1213426-03	HEAT SINK TO-3 1"HIGH	1	
27	27		1214789-00	INSERT,THREADED 6-32 ,BRASS,ELEC	2	
28	28		1303036-00	56.20 .25 W 1.0 % RN5SD-F10	1	
29	29		1300229-00	100.0 .25 W 5.0 % CC	8	R17 R4,R6,R28,R30,R32,R33,R52,R55

CONT

REVISION HISTORY		BASIC PART NO: 5413417		DRN: C.H.CASCIO		DATE: 08-FEB-79		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D:	K.FRIEDGEN	DATE:	27-SEP-79	TITLE PARTS LIST	
---	INITIAL	A	SECTION VARIATION INDEX	DES.ENG:	J.LARASON	DATE:	08-FEB-79	+/- 15 VOLT REG, COMET	
JD	5413417-TW001	B	[A] 00	RESP.ENG.:	J.DAVIS	DATE:	18-OCT-79	DOCUMENT NUMBER	
AL	TW2	C	[B]	MFG.ENG.:	C.J.CONSTANTINE	DATE:	18-OCT-79	SIZE	CODE
			[C]	ASSEMBLY NUMBER:	D-UA-5413417-0-0	TOP DOCUMENT NUMBER:		NUMBER	REV
			[D]					K	PL
			[E]					5413417-0-DBP	C
			[F]					FILE NAME:	EDIT #
			[G]					Z0659C.PLS	15
			[H]	*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION *					
			[I]						
			[J]						
			[K]						
			[L]						
			[M]						
			[N]						

TCU

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
30	30		1300316-00	470.0 .25 W 5.0 % CC	2	R81,R58
31	31		1300365-00	1.0 K .25 W 5.0 % CC	10	R3,R13,R77,R50,R53,R59,R72,R79, R56,R57
32	32		1300391-00	1.50 K .25 W 5.0 % CC	1	R8
33	33		1300417-00	*** THIS ITEM IS NOT USED ***	-	
34	34		1300447-00	4.70 K .25 W 5.0 % CC	1	R9
35	35		1300479-00	10.0 K .25 W 5.0 % CC	13	R5,R7,R14,R42,R49,R51,R54,R74, R75,R25,R45,R80,R78
36	36		1300488-00	12.0 K .25 W 5.0 % CC	2	R26,R46
37	37		1300496-00	*** THIS ITEM IS NOT USED ***	-	
38	38		1301424-00	680.0 .25 W 5.0 % CC	2	R24,R48
39	39		1302379-00	*** THIS ITEM IS NOT USED ***	-	
40	40		1302391-00	20.0 K .25 W 5.0 % CC	1	R10
41	41		1302466-00	100.0 K .25 W 5.0 % CC	1	R64
42	42		1302715-00	2.0 K .25 W 1.0 % RN55C-F 5	2	R23,R44
43	43		1302751-00	30.0 .25 W 5.0 % CC	6	R27,R29,R31,R34,R1,R61
44	44		1303114-00	1.0 K .25 W 1.0 % RN55D-F10	1	R65
45	45		1303179-00	8.20 K .25 W 5.0 % CC	2	R71,R73
46	46		1304855-00	9.09 K .25 W 1.0 % RN55D-F10	2	R68,R70
47	47		1305127-00	4.0 K .25 W 1.0 % RN55D-F10	2	R22,R43
48	48		1305380-00	270.0 2.0 W 5.0 % CC	1	R76
49	49		1305872-00	.10 5.0 W 3.0 % WW	2	R19,R37
50	50		1313581-00	110.0 .25 W 1.0 % RN55D-F10	1	R39
51	51		1309295-00	1.80 K .25 W .10% RN55E-B 2	8	R16,R18,R20,R21,R35,R36,R38,R40
52	52		1309415-00	11.50 K .25 W 1.0 % RN55D-F10	1	R11
53	53		1314516-00	200.0 K .25 W 5.0 % CC	2	R15,R41
54	54		1312655-00	180.0 5.0 W 5.0 % WW	2	R2,R60
55	55		1312452-00	3.74 K .25 W 1.0 % RN55D-F10	1	R62
56	56		1312923-00	2.10 K .25 W 1.0 % RN55D-F10	1	R63
57	57		1302666-00	10.0 M .25 W 5.0 % CC	1	R67
58	58		1313153-00	28.0 K .25 W 1.0 % RN55D-F10	1	R69
59	59		1313154-00	124.0 K .25 W 1.0 % RN55D-F10	1	R66
60	60		1313349-00	33.0 K .25 W 5.0 % CC	1	R47
61	61		1314119-00	44.20 K .25 W 1.0 % RN55D-F10	1	R12
62	62		1510707-00	D 44H8 NPN 25W SI 6002A	1	Q4
63	63		1510708-00	D 45H8 PNP 50WT SI 60 60 Y	1	Q1
64	64		1510705-00	XA 05 NPN 500MW SI 60 50 P	2	Q2,Q6
65	65		1510706-00	XA 55 PNP 500MW SI 60 50 P	7	Q3,Q5,Q7-Q11
66	66		1117061-01	MCR 69-2 THYRISTOR 50V 12A	2	D10,D11
67	67		1616380-00	INDUCTOR,DUAL 500UH 3.5A	1	L1
68	68		1910282-00	301AN OP AMP	2	E2,E3
69	69		1911944-00	555CN TIMER,FUNCT.BLOCK	1	E4
70	70		1912108-00	339 VOLT CMPRTR,QUAD	1	E1
71	71		1914392-00	556 TIMER-DUAL	1	E5
72	72		9006011-01	SCREW,PAN,PHIL 4-40X 3/8 SS	2	
73	73		9006024-01	SCREW,PAN,PHIL 6-32X 1/2 SS	2	
74	74		9006556-00	NUT,HEX , 4-40X1/4 AF X 3/	2	
75	75		9006565-00	NUT,KEP , 10-32X 3/8 AF	1	

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							+/- 15 VOLT REG, COMET		K	PL	5413417-0-DRP	C

TW

AUTOMATED BY PRTLST.3H(23)

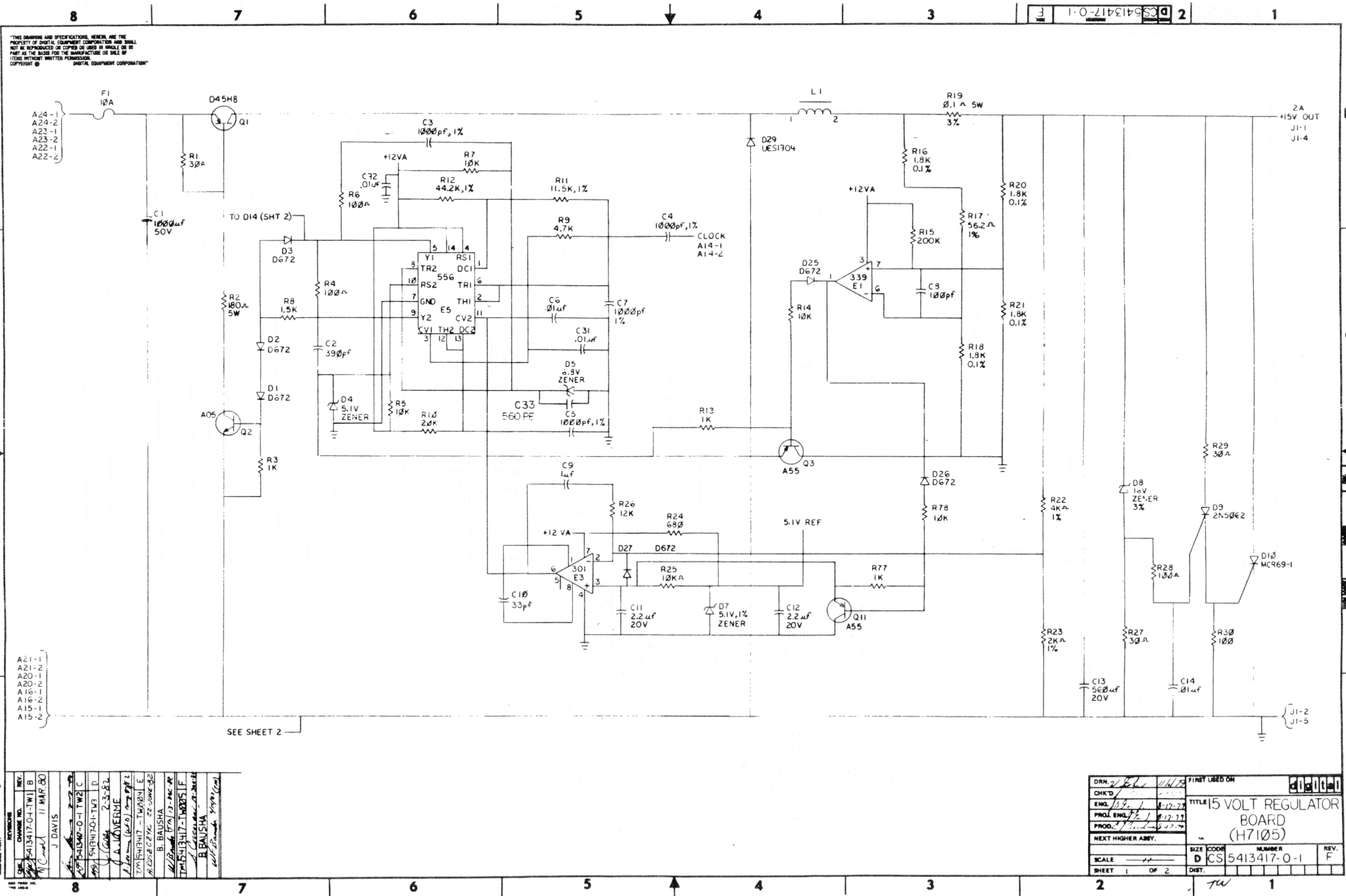
PARTS LIST

SHEET A3 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
76	76		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	2		
77	77		9006664-00	WASHER, FLAT, .437 OD X .218 ID	1		
78	78		9006688-00	WASHER, LOCK, S.S. #4	2		
79	79		9007801-00	WASHER, LOCK, S.S. #6	2		
80	80		9009769-00	WASHER, RECTANGULAR .405X.225X.0	2		
81	81		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	2		
82	82		9105740-55	WIRE(WRAP)30AWG UL1423	A/R		
83	83		9107256-11	TUBING,THIN WALL,.027ID UL	A/R		

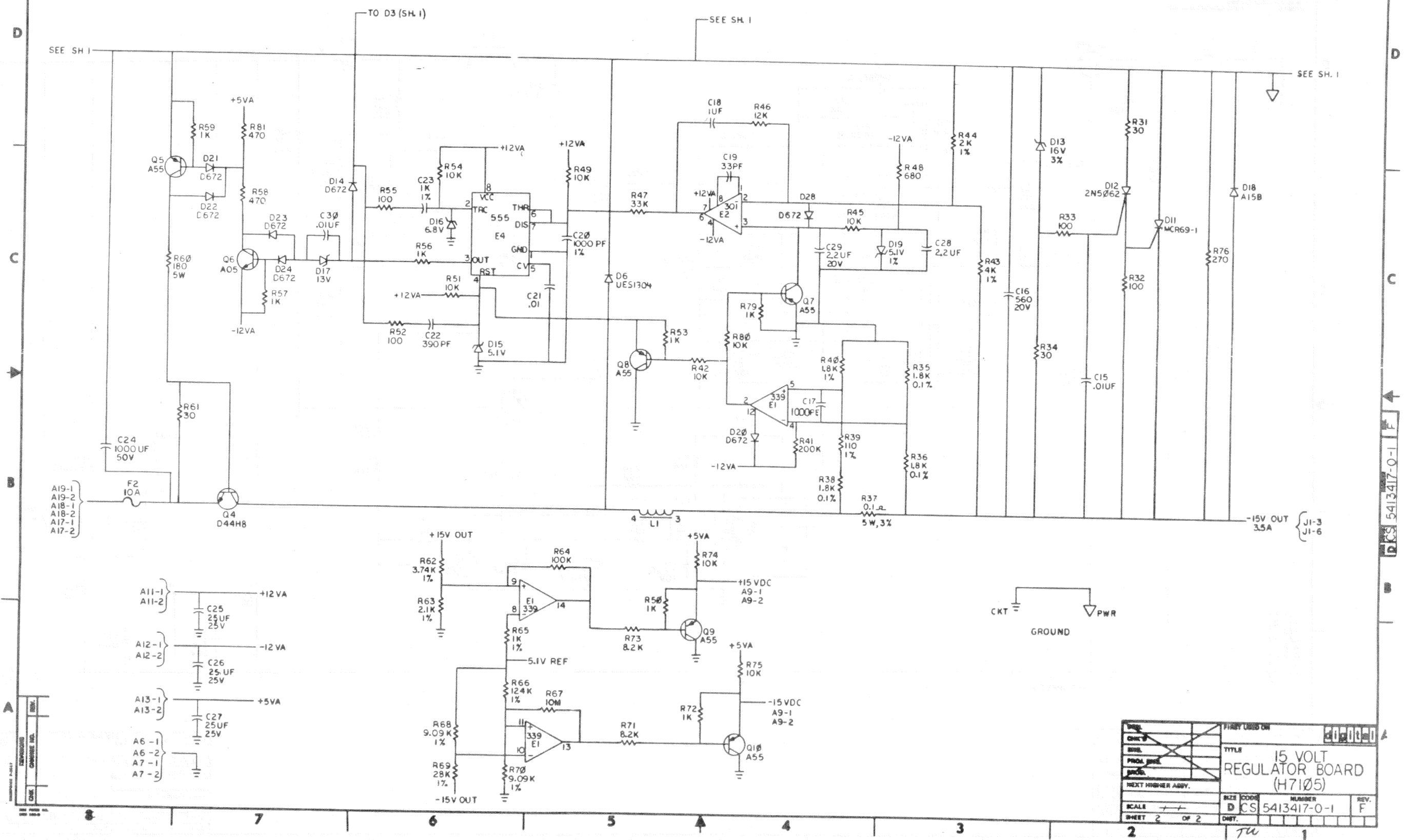
D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							+/- 15 VOLT REG, COMET			K	FL	5413417-0-DRP	C

TW



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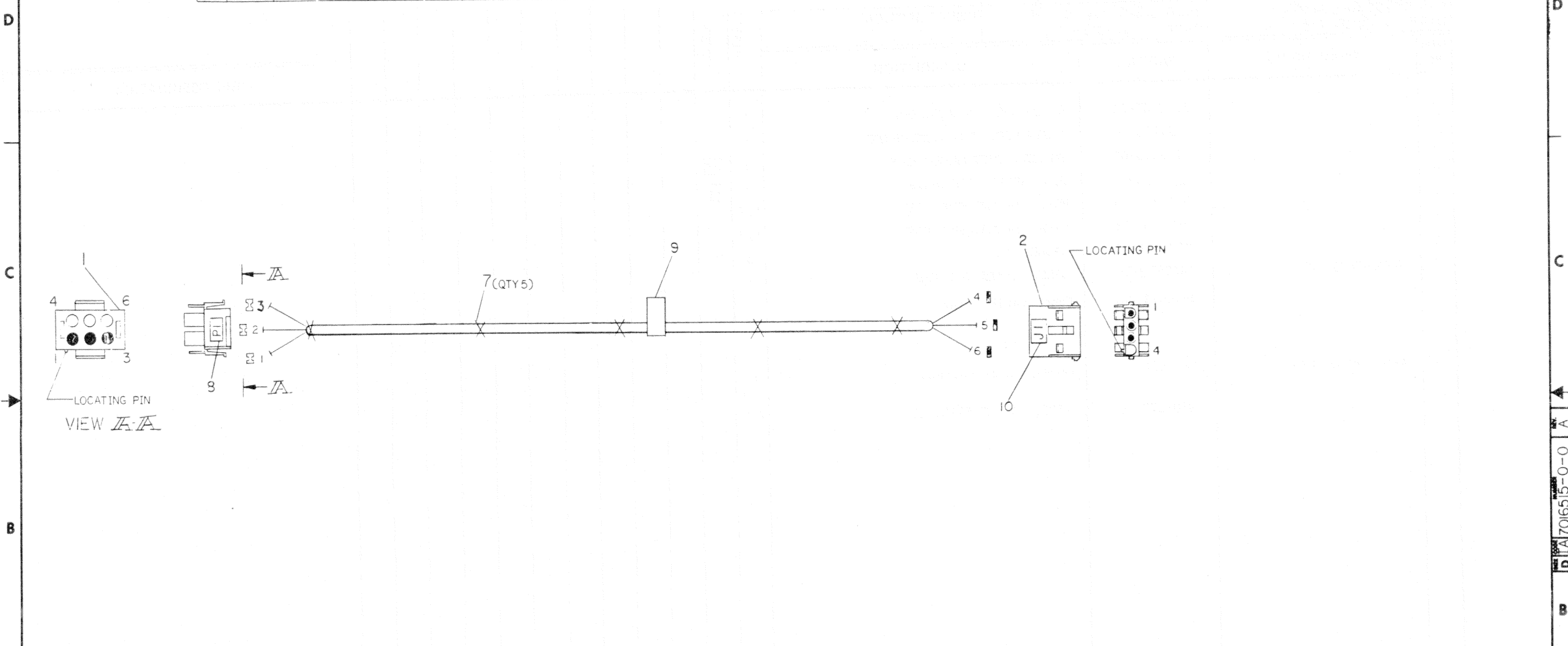
CS 5413417-0-1



DESIGN	CHIEF	DATE	10/1/79
BY	CHIEF	DATE	10/1/79
PROJ. NO.	CS 5413417-0-1	REV.	F
EXT. HIGHER ASSY.			
SCALE	1:1		
SHEET	2	OF	2
DATE	10/1/79		

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WIRE TABLE								
ITEM NO	DESCRIPTION		FROM			TO		
	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM
6	14	ORN	1	PI-1	3	4	J1-1	4
5	14	BLK	2	PI-2	3	5	J1-2	4
11	14	BLU	3	PI-3	3	6	J1-3	4
PRECUT LENGTH								
15.5 IN ± .5 IN								



REV.	CHG.	NO.	DATE	BY	CHK.
1					
2					
3					
4					
5					
6					
7					
8					

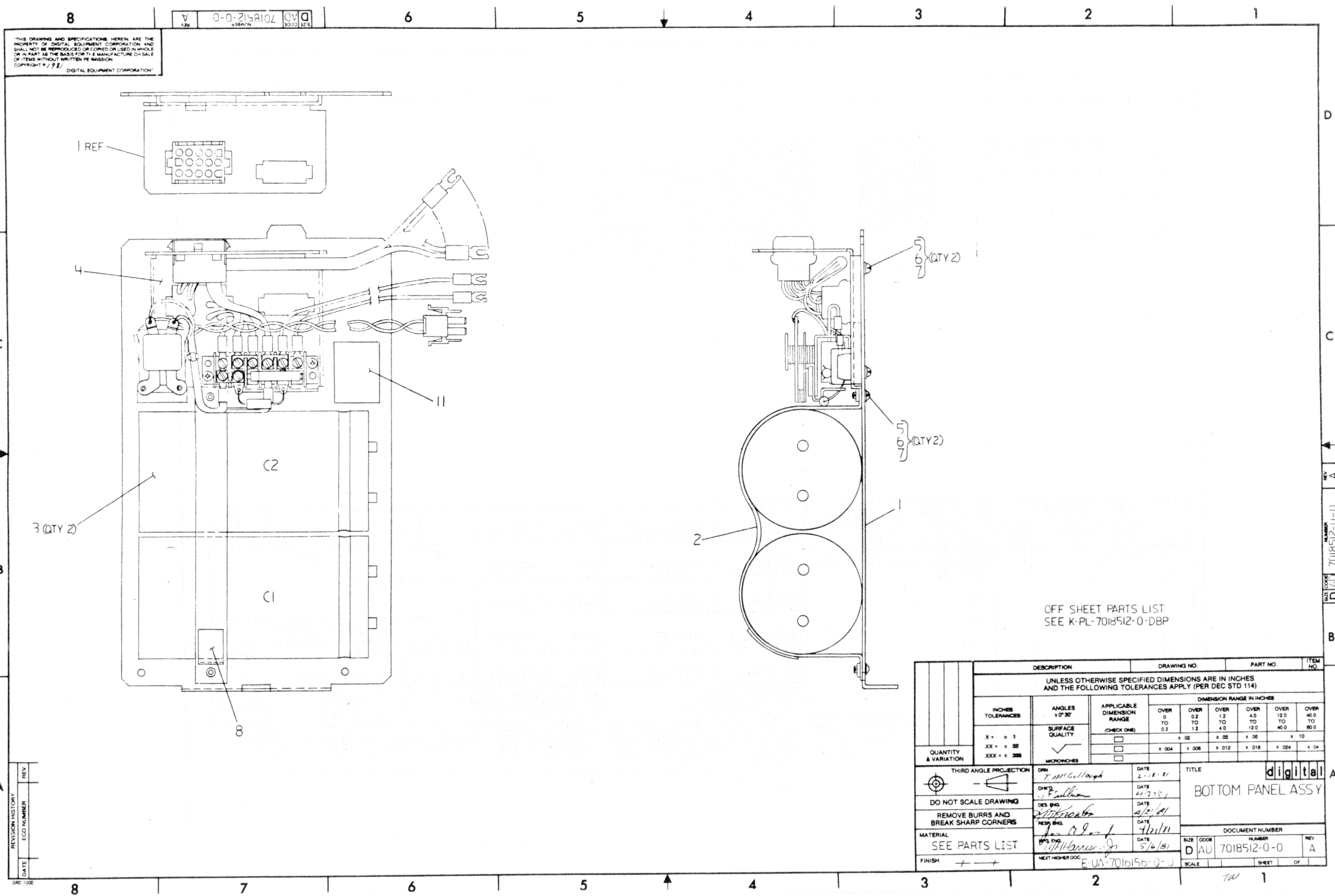
CAUTION: OFF SHEET PARTS LIST
SEE B-PL-7016515-0-0

DESCRIPTION	DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES 10° 30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
SURFACE QUALITY	(CHECK ONE)	OVER 0 UNDER 0
MEDIUM	<input type="checkbox"/> 1.004	1.008
PREFERRED	<input type="checkbox"/> 1.012	1.016
THIRD ANGLE PROJECTION	ORIGIN	FIRST USED ON
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D	11/750
DO NOT SCALE DWG	ENGR.	TITLE
MATERIAL SEE PARTS LIST	PROD.	±15V CABLE ASSY
FINISH	NEXT HIGHER ASSY.	SIZE
	E-UA-7016515-0-0	CODE
	SCALE	NUMBER
	SHEET	REV.

DIGITAL EQUIPMENT CORPORATION PARTS LIST				QUANTITY / VARIATION												NOTES:			
MADE BY DATE		CHECKED DATE		SECTION															
ENG DATE		PROD DATE		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	7016515-00	SYMBOL													REF DESIGNATION	
1	A-DC-7409872 0-0	1212167-06	6 PIN HSG, UNIV MATE-N-LOK	1															
2		1212168 02	4 PIN HSG, UNIV MATE-N-LOK	1															
3		1212170-00	SOCKET, UNIV MATE-N-LOK	3	⌋														
4		1212169-00	PIN, SPLIT MATE-N-LOK	3	⌋														
5		9107370-00	WIRE, 14 AWG STRD BLK	A/R															
6		9107370-33	WIRE, 14 AWG STRD ORN	A/R															
7		9007031-00	CABLE, TIE	5	X														
8		7409872-2	LABEL, POWER HARNESS	1															
9		3616073 00	Label Cable Ident	1															
10	A-DC-7409873 0-0	7409873-2	Label, Power Harness	1															
11		9107370-66	WIRE, 14 AWG STRD. BLU	A/R															

E.C.O. NO. TW001	THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION		TITLE +15V CABLE ASSY		ASSY NO. D-IA-7016515-00		SIZE B	CODE PL	NUMBER 7016515-0-0	REV. A
SHEET 1 OF 1					INSERTION PARTS LIST DATA BASE REV					

Tw



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0-0-7018512-0
REV A
0000 0000

OFF SHEET PARTS LIST
SEE K-PL-7018512-0-DBP

DESCRIPTION		DRAWING NO.	PART NO.	ITEM NO.				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)								
INCHES TOLERANCES	ANGLES ± 0° 30'	APPLICABLE DIMENSION RANGE (CHECK ONE)	DIMENSION RANGE IN INCHES					
			OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
X ± .1	SURFACE QUALITY	<input type="checkbox"/>	± .02	± .03	± .05	± .10		
XX ± .02		<input type="checkbox"/>	± .004	± .008	± .012	± .016	± .024	
XXX ± .006		<input type="checkbox"/>						
QUANTITY & VARIATION	THIRD ANGLE PROJECTION	DATE	TITLE					
		2-18-81	digital			A		
DO NOT SCALE DRAWING	DATE	BOTTOM PANEL ASSY						
REMOVE BURRS AND BREAK SHARP CORNERS	DATE							
MATERIAL	DATE							
SEE PARTS LIST	DATE							
FINISH	DATE							
NEXT HIGHER DOC		E-UN-7016156-0-0						
SCALE		SHEET		OF				

DATE	ECO NUMBER	REV

AUTOMATED BY PRTLST.3P(44)

PARTS LIST

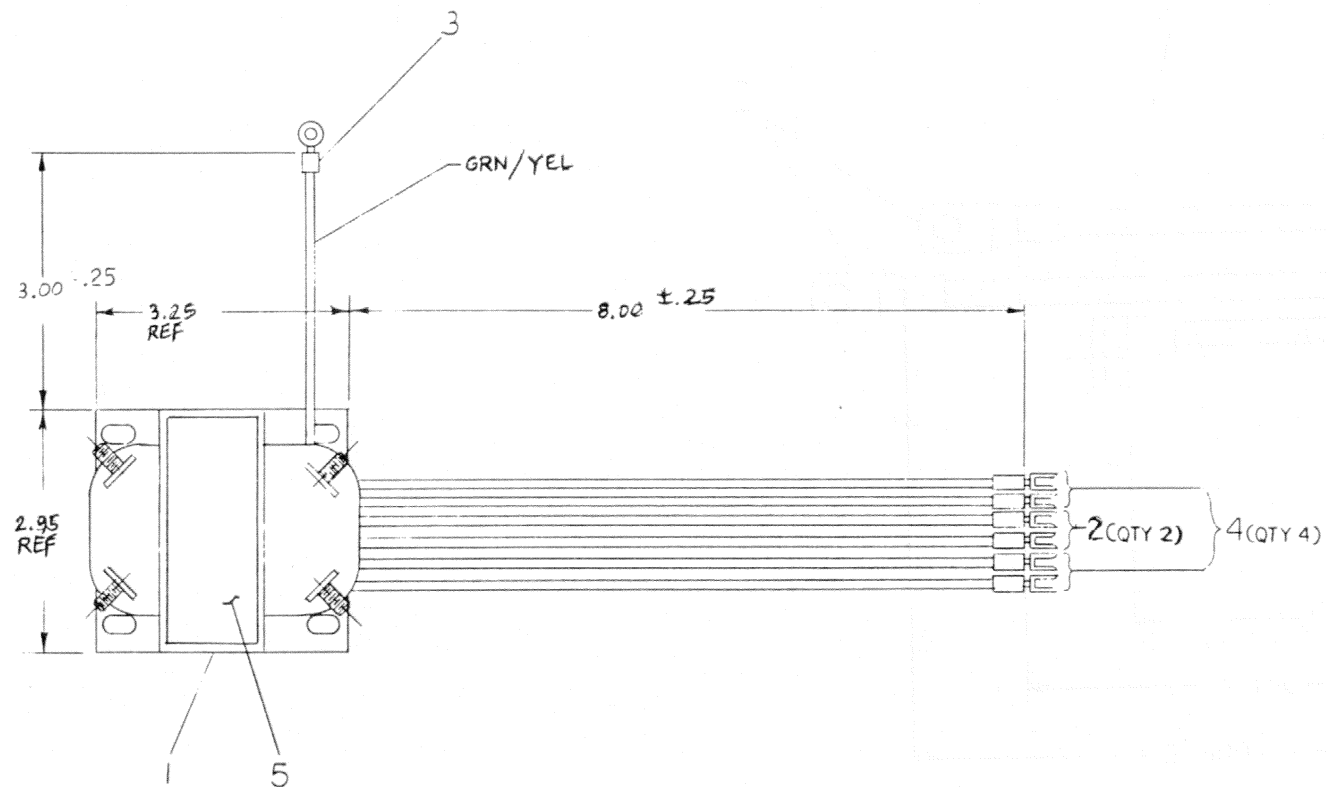
SHEET A1 OF A1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	1	D-IA-7425496-0-0	7425496-00	PAN. BOTTOM	1
2	2	C-IA-7418370-0-0	7418370-00	CAP. RETAINER	1
3	3	D-AD-7018511-0-0	1014336-00	4500 MFD 200V +50-10% AL. EL	2
4	4		7018511-00	CONNECTOR BRKT ASSY.	1
5	5		9006039-01	SCREW, PAN. PHIL 8-32X 7/16 SS	4
6	6		9006661-00	WASHER, FLAT, .437 O.D. X .137 I	4
7	7		9006690-00	WASHER, LOCK, S.S. #8	4
8	8		3616590-00	LABEL, DANGER HIGH VOLTAGE, FRENCH	1
9	9	BLANK		*** THIS ITEM IS NOT USED ***	-
10	10	BLANK		*** THIS ITEM IS NOT USED ***	-
11	11		9009255-01	LABEL, POWER SUPPLY, 2-7-8" LG X	1

REVISION HISTORY		BASIC PART NO: 7018512		DRN: T MCCULLOUGH		DATE: 17-FEB-81		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	CHK'D: J SULLIVAN	DATE: 17-FEB-81	TITLE PARTS LIST			
---	INITIAL	A	SECTION. VARIATION INDEX	DES. ENG.: K. KNOWLES	DATE: 17-FEB-81	BOTTOM, PANEL ASSY			
			[A] 00	RESP. ENG.: K. KNOWLES	DATE: 17-FEB-81	DOCUMENT NUMBER			
			[B]	MFG. ENG.: G. RAINAULT	DATE: 17-FEB-81	SIZE	CODE	NUMBER	REV
			[C]	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	K	PL	7018512-0-DBP	A
			[D]	D-AD-7018512-0-0	E-UA-7016157-0-0	FILE NAME:		EDIT #	
			[E]			22433.PLS		8	
			[F]						

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1	LABEL, IDENT.	9009255-01	5
4	TERMINAL, SPADE INS.	9009695-04	4
1	TERMINAL, RING, BLU 16-14	9007928-00	3
2	TERMINAL, SPADE INS	9009695-01	2
1	TRANSFORMER 5V	1615768-00	1

		DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
ANGLES 10° 30'		CLASS OF SURFACE QUALITY IN		NOMINAL DIMENSION RANGE INCHES			
		CHECK ONE		OVER 0.2	OVER 0.2	OVER 0.2	OVER 0.2
SURFACE QUALITY IN		MEDIUM		±.008	±.012	±.016	±.020
		PREFERRED		±.012	±.016	±.020	±.024
		MICROINCHES		±.012	±.016	±.020	±.024
QUANTITY & VARIATION							

THIRD ANGLE PROJECTION	DRN. <i>S. A. Lockyer</i> 12/1/78	FIRST USED ON	11/750	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>S. A. Lockyer</i> 12/1/78	TITLE	TRANSFORMER ASSY +5V	
DO NOT SCALE DWG	ENG. <i>S. A. Lockyer</i> 12/1/78	PROD. <i>S. A. Lockyer</i> 12/1/78	NEXT HIGHER ASSY.	
MATERIAL SEE PARTS LIST	E-AD-7016151-0-0	SIZE	CODE	NUMBER
FINISH	SCALE 1/1	SHEET	1	OF 1
		DIST.		

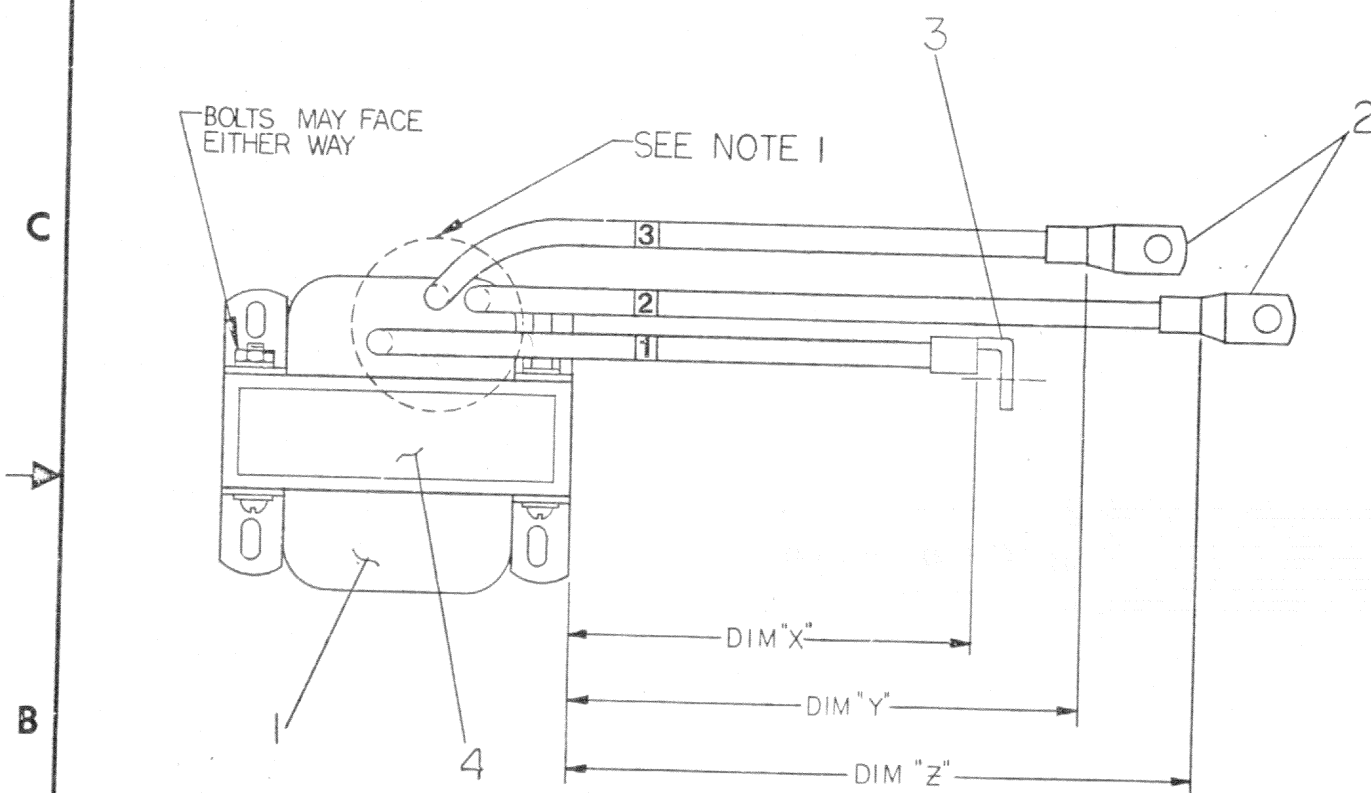
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LEGEND

VARIATION	DIM "X"	DIM "Y"	DIM "Z"
7014417-00	3.75 \pm .25 -.00	4.75 \pm .25 -.00	6.25 \pm .25 -.00
7014417-01	2.75 \pm .25 -.00	5.00 \pm .25 -.00	6.50 \pm .25 -.00

NOTES:

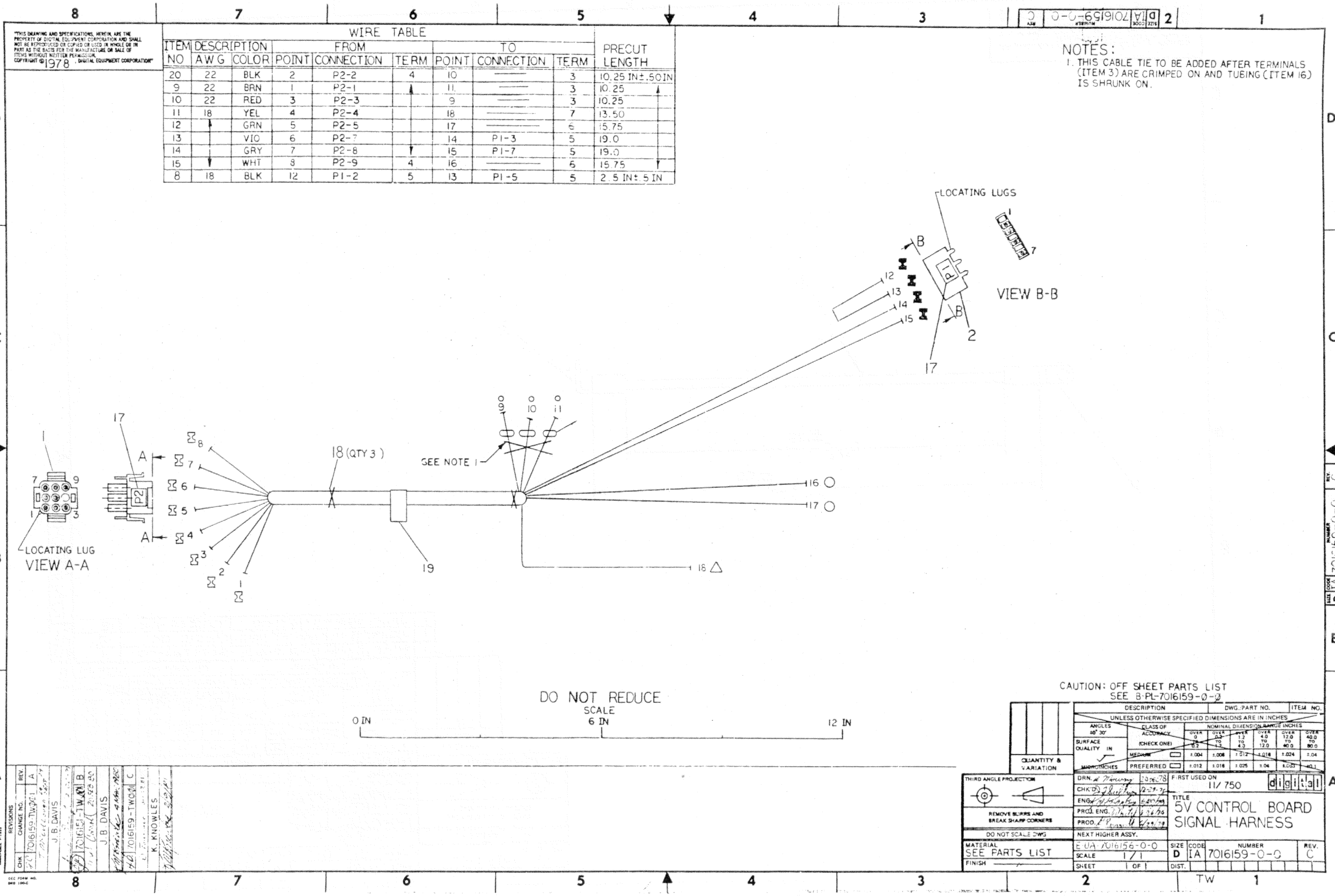
1. WIRE BREAK-OUTS FROM CORE MAY VARY FROM UNIT TO UNIT. PICTORIAL IS A REPRESENTATION. USE MARKERS INSTALLED BY VENDOR TO CUT LEADS.



REV.	CHANGE NO.	REVISIONS
A	7014417-00001	CHK
		D. ZWICKER 30SEP77
		D. MARTEL
		pmartel 10/8/77
B	7014417-00002	SC
		A. Chase 6MAY78
		C. LANDINO
C	7014417-TW003	AP
		AP 15 SEPT 79
		C. LANDINO
D	7014417-TW004	SC
		AP 23 OCT 79
		AP 19 JAN 81
		K. KNOWLES
		AP 2/19/81

1	LABEL, IDENT ADHESIVE	9009255-01	4
1	LUG, POWER (90°) #8AWG	1212086-02	3
2	LUG, POWER (STRAIGHT) #8AWG	1211515-01	2
1	CHOKE 5V	1614199-00	1

THIRD ANGLE PROJECTION		QUANTITY & VARIATION	
REMOVE BURRS AND BREAK SHARP CORNERS			
DO NOT SCALE DWG			
MATERIAL SEE PARTS LIST		FINISH	
DRN. 7/19/77		2/15/77	
CHKD. 10/1/77		10/1/77	
ENG. 10/1/77		10/1/77	
PROJ. ENG. 10/1/77		10/1/77	
PROD. 10/1/77		10/1/77	
NEXT HIGHER ASSY.			
E-AD-7013921-0-0		SIZE CODE	
SCALE NONE		C IA 7014417-0-0	
SHEET 1 OF 1		DIST.	
FIRST USED ON		H7100	
TITLE		CHOKE, REWORK	
DEC FORM NO. DRG 100-C		REV. D	



WIRE TABLE									
ITEM NO		DESCRIPTION		FROM		TO		PRECUT LENGTH	
		AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM
20	22	BLK		2	P2-2	4	10		3
9	22	BRN		1	P2-1		11		3
10	22	RED		3	P2-3		9		3
11	18	YEL		4	P2-4		18		7
12		GRN		5	P2-5		17		6
13		VIO		6	P2-7		14	P1-3	5
14		GRY		7	P2-8		15	P1-7	5
15		WHT		8	P2-9	4	16		6
8	18	BLK		12	P1-2	5	13	P1-5	5

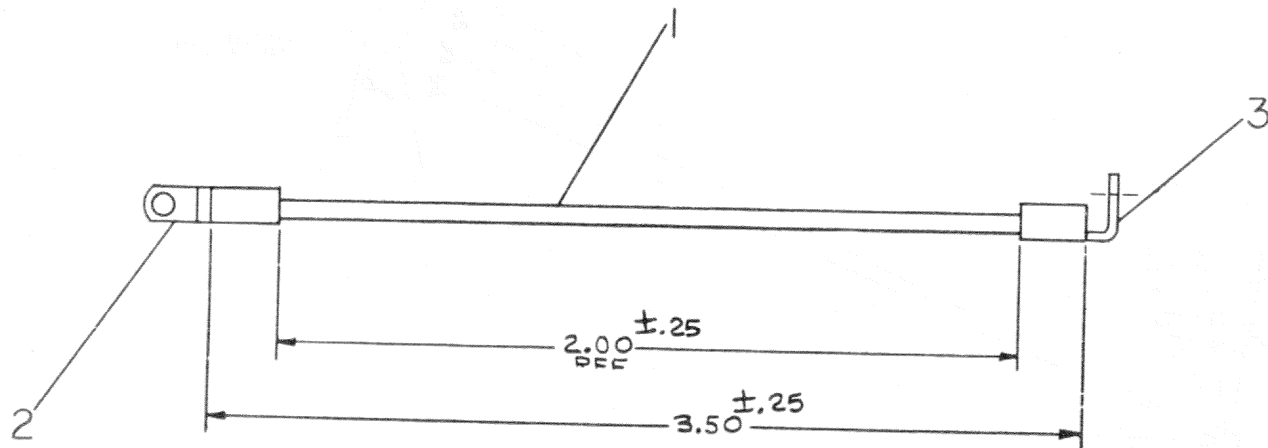
NOTES:
1. THIS CABLE TIE TO BE ADDED AFTER TERMINALS (ITEM 3) ARE CRIMPED ON AND TUBING (ITEM 16) IS SHRUNK ON.

REVISIONS		REV.	DATE	BY	CHK
CHANGE NO.		1	11/75	J.B. DAVIS	J.B. DAVIS
DESCRIPTION		5V CONTROL BOARD SIGNAL HARNESS			
DRAWN BY		J.B. DAVIS			
CHECKED BY		J.B. DAVIS			
APPROVED BY		J.B. DAVIS			
DATE		11/75			

CAUTION: OFF SHEET PARTS LIST
SEE B:PL-7016159-0-2

THIRD ANGLE PROJECTION	DESCRIPTION	DWG. PART NO.	ITEM NO.
REMOVE BURRS AND BREAK SHARP CORNERS	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
DO NOT SCALE DWG	ANGLES 45° 30° CLASS OF ACCURACY SURFACE QUALITY IN MEDIUM PREFERRED	NOMINAL DIMENSION RANGE INCHES OVER 0 OVER 12 OVER 25 OVER 40 OVER 100 OVER 120 OVER 180 OVER 240 OVER 300 OVER 360 OVER 420 OVER 480 OVER 540 OVER 600 OVER 660 OVER 720 OVER 780 OVER 840 OVER 900 OVER 960 OVER 1020 OVER 1080 OVER 1140 OVER 1200 OVER 1260 OVER 1320 OVER 1380 OVER 1440 OVER 1500 OVER 1560 OVER 1620 OVER 1680 OVER 1740 OVER 1800 OVER 1860 OVER 1920 OVER 1980 OVER 2040 OVER 2100 OVER 2160 OVER 2220 OVER 2280 OVER 2340 OVER 2400 OVER 2460 OVER 2520 OVER 2580 OVER 2640 OVER 2700 OVER 2760 OVER 2820 OVER 2880 OVER 2940 OVER 3000 OVER 3060 OVER 3120 OVER 3180 OVER 3240 OVER 3300 OVER 3360 OVER 3420 OVER 3480 OVER 3540 OVER 3600 OVER 3660 OVER 3720 OVER 3780 OVER 3840 OVER 3900 OVER 3960 OVER 4020 OVER 4080 OVER 4140 OVER 4200 OVER 4260 OVER 4320 OVER 4380 OVER 4440 OVER 4500 OVER 4560 OVER 4620 OVER 4680 OVER 4740 OVER 4800 OVER 4860 OVER 4920 OVER 4980 OVER 5040 OVER 5100 OVER 5160 OVER 5220 OVER 5280 OVER 5340 OVER 5400 OVER 5460 OVER 5520 OVER 5580 OVER 5640 OVER 5700 OVER 5760 OVER 5820 OVER 5880 OVER 5940 OVER 6000 OVER 6060 OVER 6120 OVER 6180 OVER 6240 OVER 6300 OVER 6360 OVER 6420 OVER 6480 OVER 6540 OVER 6600 OVER 6660 OVER 6720 OVER 6780 OVER 6840 OVER 6900 OVER 6960 OVER 7020 OVER 7080 OVER 7140 OVER 7200 OVER 7260 OVER 7320 OVER 7380 OVER 7440 OVER 7500 OVER 7560 OVER 7620 OVER 7680 OVER 7740 OVER 7800 OVER 7860 OVER 7920 OVER 7980 OVER 8040 OVER 8100 OVER 8160 OVER 8220 OVER 8280 OVER 8340 OVER 8400 OVER 8460 OVER 8520 OVER 8580 OVER 8640 OVER 8700 OVER 8760 OVER 8820 OVER 8880 OVER 8940 OVER 9000 OVER 9060 OVER 9120 OVER 9180 OVER 9240 OVER 9300 OVER 9360 OVER 9420 OVER 9480 OVER 9540 OVER 9600 OVER 9660 OVER 9720 OVER 9780 OVER 9840 OVER 9900 OVER 9960 OVER 10020 OVER 10080 OVER 10140 OVER 10200 OVER 10260 OVER 10320 OVER 10380 OVER 10440 OVER 10500 OVER 10560 OVER 10620 OVER 10680 OVER 10740 OVER 10800 OVER 10860 OVER 10920 OVER 10980 OVER 11040 OVER 11100 OVER 11160 OVER 11220 OVER 11280 OVER 11340 OVER 11400 OVER 11460 OVER 11520 OVER 11580 OVER 11640 OVER 11700 OVER 11760 OVER 11820 OVER 11880 OVER 11940 OVER 12000 OVER 12060 OVER 12120 OVER 12180 OVER 12240 OVER 12300 OVER 12360 OVER 12420 OVER 12480 OVER 12540 OVER 12600 OVER 12660 OVER 12720 OVER 12780 OVER 12840 OVER 12900 OVER 12960 OVER 13020 OVER 13080 OVER 13140 OVER 13200 OVER 13260 OVER 13320 OVER 13380 OVER 13440 OVER 13500 OVER 13560 OVER 13620 OVER 13680 OVER 13740 OVER 13800 OVER 13860 OVER 13920 OVER 13980 OVER 14040 OVER 14100 OVER 14160 OVER 14220 OVER 14280 OVER 14340 OVER 14400 OVER 14460 OVER 14520 OVER 14580 OVER 14640 OVER 14700 OVER 14760 OVER 14820 OVER 14880 OVER 14940 OVER 15000 OVER 15060 OVER 15120 OVER 15180 OVER 15240 OVER 15300 OVER 15360 OVER 15420 OVER 15480 OVER 15540 OVER 15600 OVER 15660 OVER 15720 OVER 15780 OVER 15840 OVER 15900 OVER 15960 OVER 16020 OVER 16080 OVER 16140 OVER 16200 OVER 16260 OVER 16320 OVER 16380 OVER 16440 OVER 16500 OVER 16560 OVER 16620 OVER 16680 OVER 16740 OVER 16800 OVER 16860 OVER 16920 OVER 16980 OVER 17040 OVER 17100 OVER 17160 OVER 17220 OVER 17280 OVER 17340 OVER 17400 OVER 17460 OVER 17520 OVER 17580 OVER 17640 OVER 17700 OVER 17760 OVER 17820 OVER 17880 OVER 17940 OVER 18000 OVER 18060 OVER 18120 OVER 18180 OVER 18240 OVER 18300 OVER 18360 OVER 18420 OVER 18480 OVER 18540 OVER 18600 OVER 18660 OVER 18720 OVER 18780 OVER 18840 OVER 18900 OVER 18960 OVER 19020 OVER 19080 OVER 19140 OVER 19200 OVER 19260 OVER 19320 OVER 19380 OVER 19440 OVER 19500 OVER 19560 OVER 19620 OVER 19680 OVER 19740 OVER 19800 OVER 19860 OVER 19920 OVER 19980 OVER 20040 OVER 20100 OVER 20160 OVER 20220 OVER 20280 OVER 20340 OVER 20400 OVER 20460 OVER 20520 OVER 20580 OVER 20640 OVER 20700 OVER 20760 OVER 20820 OVER 20880 OVER 20940 OVER 21000 OVER 21060 OVER 21120 OVER 21180 OVER 21240 OVER 21300 OVER 21360 OVER 21420 OVER 21480 OVER 21540 OVER 21600 OVER 21660 OVER 21720 OVER 21780 OVER 21840 OVER 21900 OVER 21960 OVER 22020 OVER 22080 OVER 22140 OVER 22200 OVER 22260 OVER 22320 OVER 22380 OVER 22440 OVER 22500 OVER 22560 OVER 22620 OVER 22680 OVER 22740 OVER 22800 OVER 22860 OVER 22920 OVER 22980 OVER 23040 OVER 23100 OVER 23160 OVER 23220 OVER 23280 OVER 23340 OVER 23400 OVER 23460 OVER 23520 OVER 23580 OVER 23640 OVER 23700 OVER 23760 OVER 23820 OVER 23880 OVER 23940 OVER 24000 OVER 24060 OVER 24120 OVER 24180 OVER 24240 OVER 24300 OVER 24360 OVER 24420 OVER 24480 OVER 24540 OVER 24600 OVER 24660 OVER 24720 OVER 24780 OVER 24840 OVER 24900 OVER 24960 OVER 25020 OVER 25080 OVER 25140 OVER 25200 OVER 25260 OVER 25320 OVER 25380 OVER 25440 OVER 25500 OVER 25560 OVER 25620 OVER 25680 OVER 25740 OVER 25800 OVER 25860 OVER 25920 OVER 25980 OVER 26040 OVER 26100 OVER 26160 OVER 26220 OVER 26280 OVER 26340 OVER 26400 OVER 26460 OVER 26520 OVER 26580 OVER 26640 OVER 26700 OVER 26760 OVER 26820 OVER 26880 OVER 26940 OVER 27000 OVER 27060 OVER 27120 OVER 27180 OVER 27240 OVER 27300 OVER 27360 OVER 27420 OVER 27480 OVER 27540 OVER 27600 OVER 27660 OVER 27720 OVER 27780 OVER 27840 OVER 27900 OVER 27960 OVER 28020 OVER 28080 OVER 28140 OVER 28200 OVER 28260 OVER 28320 OVER 28380 OVER 28440 OVER 28500 OVER 28560 OVER 28620 OVER 28680 OVER 28740 OVER 28800 OVER 28860 OVER 28920 OVER 28980 OVER 29040 OVER 29100 OVER 29160 OVER 29220 OVER 29280 OVER 29340 OVER 29400 OVER 29460 OVER 29520 OVER 29580 OVER 29640 OVER 29700 OVER 29760 OVER 29820 OVER 29880 OVER 29940 OVER 30000 OVER 30060 OVER 30120 OVER 30180 OVER 30240 OVER 30300 OVER 30360 OVER 30420 OVER 30480 OVER 30540 OVER 30600 OVER 30660 OVER 30720 OVER 30780 OVER 30840 OVER 30900 OVER 30960 OVER 31020 OVER 31080 OVER 31140 OVER 31200 OVER 31260 OVER 31320 OVER 31380 OVER 31440 OVER 31500 OVER 31560 OVER 31620 OVER 31680 OVER 31740 OVER 31800 OVER 31860 OVER 31920 OVER 31980 OVER 32040 OVER 32100 OVER 32160 OVER 32220 OVER 32280 OVER 32340 OVER 32400 OVER 32460 OVER 32520 OVER 32580 OVER 32640 OVER 32700 OVER 32760 OVER 32820 OVER 32880 OVER 32940 OVER 33000 OVER 33060 OVER 33120 OVER 33180 OVER 33240 OVER 33300 OVER 33360 OVER 33420 OVER 33480 OVER 33540 OVER 33600 OVER 33660 OVER 33720 OVER 33780 OVER 33840 OVER 33900 OVER 33960 OVER 34020 OVER 34080 OVER 34140 OVER 34200 OVER 34260 OVER 34320 OVER 34380 OVER 34440 OVER 34500 OVER 34560 OVER 34620 OVER 34680 OVER 34740 OVER 34800 OVER 34860 OVER 34920 OVER 34980 OVER 35040 OVER 35100 OVER 35160 OVER 35220 OVER 35280 OVER 35340 OVER 35400 OVER 35460 OVER 35520 OVER 35580 OVER 35640 OVER 35700 OVER 35760 OVER 35820 OVER 35880 OVER 35940 OVER 36000 OVER 36060 OVER 36120 OVER 36180 OVER 36240 OVER 36300 OVER 36360 OVER 36420 OVER 36480 OVER 36540 OVER 36600 OVER 36660 OVER 36720 OVER 36780 OVER 36840 OVER 36900 OVER 36960 OVER 37020 OVER 37080 OVER 37140 OVER 37200 OVER 37260 OVER 37320 OVER 37380 OVER 37440 OVER 37500 OVER 37560 OVER 37620 OVER 37680 OVER 37740 OVER 37800 OVER 37860 OVER 37920 OVER 37980 OVER 38040 OVER 38100 OVER 38160 OVER 38220 OVER 38280 OVER 38340 OVER 38400 OVER 38460 OVER 38520 OVER 38580 OVER 38640 OVER 38700 OVER 38760 OVER 38820 OVER 38880 OVER 38940 OVER 39000 OVER 39060 OVER 39120 OVER 39180 OVER 39240 OVER 39300 OVER 39360 OVER 39420 OVER 39480 OVER 39540 OVER 39600 OVER 39660 OVER 39720 OVER 39780 OVER 39840 OVER 39900 OVER 39960 OVER 40020 OVER 40080 OVER 40140 OVER 40200 OVER 40260 OVER 40320 OVER 40380 OVER 40440 OVER 40500 OVER 40560 OVER 40620 OVER 40680 OVER 40740 OVER 40800 OVER 40860 OVER 40920 OVER 40980 OVER 41040 OVER 41100 OVER 41160 OVER 41220 OVER 41280 OVER 41340 OVER 41400 OVER 41460 OVER 41520 OVER 41580 OVER 41640 OVER 41700 OVER 41760 OVER 41820 OVER 41880 OVER 41940 OVER 42000 OVER 42060 OVER 42120 OVER 42180 OVER 42240 OVER 42300 OVER 42360 OVER 42420 OVER 42480 OVER 42540 OVER 42600 OVER 42660 OVER 42720 OVER 42780 OVER 42840 OVER 42900 OVER 42960 OVER 43020 OVER 43080 OVER 43140 OVER 43200 OVER 43260 OVER 43320 OVER 43380 OVER 43440 OVER 43500 OVER 43560 OVER 43620 OVER 43680 OVER 43740 OVER 43800 OVER 43860 OVER 43920 OVER 43980 OVER 44040 OVER 44100 OVER 44160 OVER 44220 OVER 44280 OVER 44340 OVER 44400 OVER 44460 OVER 44520 OVER 44580 OVER 44640 OVER 44700 OVER 44760 OVER 44820 OVER 44880 OVER 44940 OVER 45000 OVER 45060 OVER 45120 OVER 45180 OVER 45240 OVER 45300 OVER 45360 OVER 45420 OVER 45480 OVER 45540 OVER 45600 OVER 45660 OVER 45720 OVER 45780 OVER 45840 OVER 45900 OVER 45960 OVER 46020 OVER 46080 OVER 46140 OVER 46200 OVER 46260 OVER 46320 OVER 46380 OVER 46440 OVER 46500 OVER 46560 OVER 46620 OVER 46680 OVER 46740 OVER 46800 OVER 46860 OVER 46920 OVER 46980 OVER 47040 OVER 47100 OVER 47160 OVER 47220 OVER 47280 OVER 47340 OVER 47400 OVER 47460 OVER 47520 OVER 47580 OVER 47640 OVER 47700 OVER 47760 OVER 47820 OVER 47880 OVER 47940 OVER 48000 OVER 48060 OVER 48120 OVER 48180 OVER 48240 OVER 48300 OVER 48360 OVER 48420 OVER 48480 OVER 48540 OVER 48600 OVER 48660 OVER 48720 OVER 48780 OVER 48840 OVER 48900 OVER 48960 OVER 49020 OVER 49080 OVER 49140 OVER 49200 OVER 49260 OVER 49320 OVER 49380 OVER 49440 OVER 49500 OVER 49560 OVER 49620 OVER 49680 OVER 49740 OVER 49800 OVER 49860 OVER 49920 OVER 49980 OVER 50040 OVER 50100 OVER 50160 OVER 50220 OVER 50280 OVER 50340 OVER 50400 OVER 50460 OVER 50520 OVER 50580 OVER 50640 OVER 50700 OVER 50760 OVER 50820 OVER 50880 OVER 50940 OVER 51000 OVER 51060 OVER 51120 OVER 51180 OVER 51240 OVER 51300 OVER 51360 OVER 51420 OVER 51480 OVER 51540 OVER 51600 OVER 51660 OVER 51720 OVER 51780 OVER 51840 OVER 51900 OVER 51960 OVER 52020 OVER 52080 OVER 52140 OVER 52200 OVER 52260 OVER 52320 OVER 52380 OVER 52440 OVER 52500 OVER 52560 OVER 52620 OVER 52680 OVER 52740 OVER 52800 OVER 52860 OVER 52920 OVER 52980 OVER 53040 OVER 53100 OVER 53160 OVER 53220 OVER 53280 OVER 53340 OVER 53400 OVER 53460 OVER 53520 OVER 53580 OVER 53640 OVER 53700 OVER 53760 OVER 53820 OVER 53880 OVER 53940 OVER 54000 OVER 54060 OVER 54120 OVER 54180 OVER 54240 OVER 54300 OVER 54360 OVER 54420 OVER 54480 OVER 54540 OVER 54600 OVER 54660 OVER 54720 OVER 54780 OVER 54840 OVER 54900 OVER 54960 OVER 55020 OVER 55080 OVER 55140 OVER 55200 OVER 55260 OVER 55320 OVER 55380 OVER 55440 OVER 55500 OVER 55560 OVER 55620 OVER 55680 OVER 55740 OVER 55800 OVER 55860 OVER 55920 OVER 55980 OVER 56040 OVER 56100 OVER 56160 OVER 56220 OVER 56280 OVER 56340 OVER 56400 OVER 56460 OVER 56520 OVER 56580 OVER 56640 OVER 56700 OVER 56760 OVER 56820 OVER 56880 OVER 56940 OVER 57000 OVER 57060 OVER 57120 OVER 57180 OVER 57240 OVER 57300 OVER 57360 OVER 57420 OVER 57480 OVER 57540 OVER 57600 OVER 57660 OVER 57720 OVER 57780 OVER 57840 OVER 57900 OVER 57960 OVER 58020 OVER 58080 OVER 58140 OVER 58200 OVER 58260 OVER 58320 OVER 58380 OVER 58440 OVER 58500 OVER 58560 OVER 58620 OVER 58680 OVER 58740 OVER 58800 OVER 58860 OVER 58920 OVER 58980 OVER 59040 OVER 59100 OVER 59160 OVER 59220 OVER 59280 OVER 59340 OVER 59400 OVER 59460 OVER 59520 OVER 59580 OVER 59640 OVER 59700 OVER 59760 OVER 59820 OVER 59880 OVER 59940 OVER 60000 OVER 60060 OVER 60120 OVER 60180 OVER 60240 OVER 60300 OVER 60360 OVER 60420 OVER 60480 OVER 60540 OVER 60600 OVER 60660 OVER 60720 OVER 60780 OVER 60840 OVER 60900 OVER 60960 OVER 61020 OVER 61080 OVER 61140 OVER 61200 OVER 61260 OVER 61320 OVER 61380 OVER 61440 OVER 61500 OVER 61560 OVER 61620 OVER 61680 OVER 61740 OVER 61800 OVER 61860 OVER 61920 OVER 61980 OVER 62040 OVER 62100 OVER 62160 OVER 62220 OVER 62280 OVER 62340 OVER 62400 OVER 62460 OVER 62520 OVER 62580 OVER 62640 OVER 62700 OVER 62760 OVER 62820 OVER 62880 OVER 62940 OVER 63000 OVER 63060 OVER 63120 OVER 63180 OVER 63240 OVER 63300 OVER 63360 OVER 63420 OVER 63480 OVER 63540 OVER 63600 OVER 63660 OVER 63720 OVER 63780 OVER 63840 OVER 63900 OVER 63960 OVER 64020 OVER 64080 OVER 64140 OVER 64200 OVER 64260 OVER 64320 OVER 64380 OVER 64440 OVER 64500 OVER 64560 OVER 64620 OVER 64680 OVER 64740 OVER 64800 OVER 64860 OVER 64920 OVER 64980 OVER 65040 OVER 65100 OVER 65160 OVER 65220 OVER 65280 OVER 65340 OVER 65400 OVER 65460 OVER 65520 OVER 65580 OVER 65640 OVER 65700 OVER 65760 OVER 65820 OVER 65880 OVER 65940 OVER 66000 OVER 66060 OVER 66120 OVER 66180 OVER 66240 OVER 66300 OVER 66360 OVER 66420 OVER 66480 OVER 66540 OVER 66600 OVER 66660 OVER 66720 OVER 66780 OVER 66840 OVER 66900 OVER 66960 OVER 67020 OVER 67080 OVER 67140 OVER 67200 OVER 67260 OVER 67320 OVER 67380 OVER 67440 OVER 67500 OVER 67560 OVER 67620 OVER 67680 OVER 67740 OVER 67800 OVER 67860 OVER 67920 OVER 67980 OVER 68040 OVER 68100 OVER 68160 OVER 68220 OVER 68280 OVER 68340 OVER 68400 OVER 68460 OVER 68520 OVER 68580 OVER 68640 OVER 68700 OVER 68760 OVER 68820 OVER 68880 OVER 68940 OVER 69000 OVER 69060 OVER 69120 OVER 69180 OVER 69240 OVER 69300 OVER 69360 OVER 69420 OVER 69480 OVER 69540 OVER 69600 OVER 69660 OVER 69720 OVER 69780 OVER 69840 OVER 69900 OVER 69960 OVER 70020 OVER 70080 OVER 70140 OVER 70200 OVER 70260 OVER 70320 OVER 70380 OVER 70440 OVER 70500 OVER 70560 OVER 70620 OVER 70680 OVER 70740 OVER 70800 OVER 70860 OVER 70920 OVER 70980 OVER 71040 OVER 71100 OVER 71160 OVER 71220 OVER 71280 OVER 71340 OVER 71400 OVER	

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REVISIONS		REV.
CHK	CHANGE NO.	
7C	7014105-TW001	A
JAMES B. DAVIS		
18500779		
10-2-77		

WORKPAGE P-1008

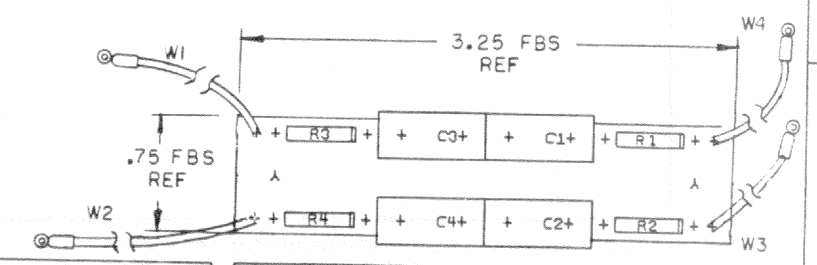
REC FORM 100-2

QUANTITY & VARIATION		DESCRIPTION	DWG./PART NO.	ITEM NO.
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
THIRD ANGLE PROJECTION		CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES	
REMOVE BURRS AND BREAK SHARP CORNERS		(CHECK ONE)	OVER 0 TO 0.25	OVER 0.25 TO 0.5
DO NOT SCALE DWG		MEDIUM	OVER 0.5 TO 1.2	OVER 1.2 TO 4.0
MATERIAL SEE PARTS LIST		PREFERRED	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0
FINISH			OVER 40.0 TO 80.0	OVER 80.0 TO 160.0
NEXT HIGHER ASSY.			OVER 160.0 TO 320.0	OVER 320.0 TO 640.0
EAD-7013921-0-0			OVER 640.0 TO 1280.0	OVER 1280.0 TO 2560.0
SCALE NONE			OVER 2560.0 TO 5120.0	OVER 5120.0 TO 10240.0
SHEET OF			OVER 10240.0 TO 20480.0	OVER 20480.0 TO 40960.0
SIZE CODE			OVER 40960.0 TO 81920.0	OVER 81920.0 TO 163840.0
C			OVER 163840.0 TO 327680.0	OVER 327680.0 TO 655360.0
IA			OVER 655360.0 TO 1310720.0	OVER 1310720.0 TO 2621440.0
7014105-0-0			OVER 2621440.0 TO 5242880.0	OVER 5242880.0 TO 10485760.0
REV. A			OVER 10485760.0 TO 20971520.0	OVER 20971520.0 TO 41943040.0

7014105-0-0

JUMPER

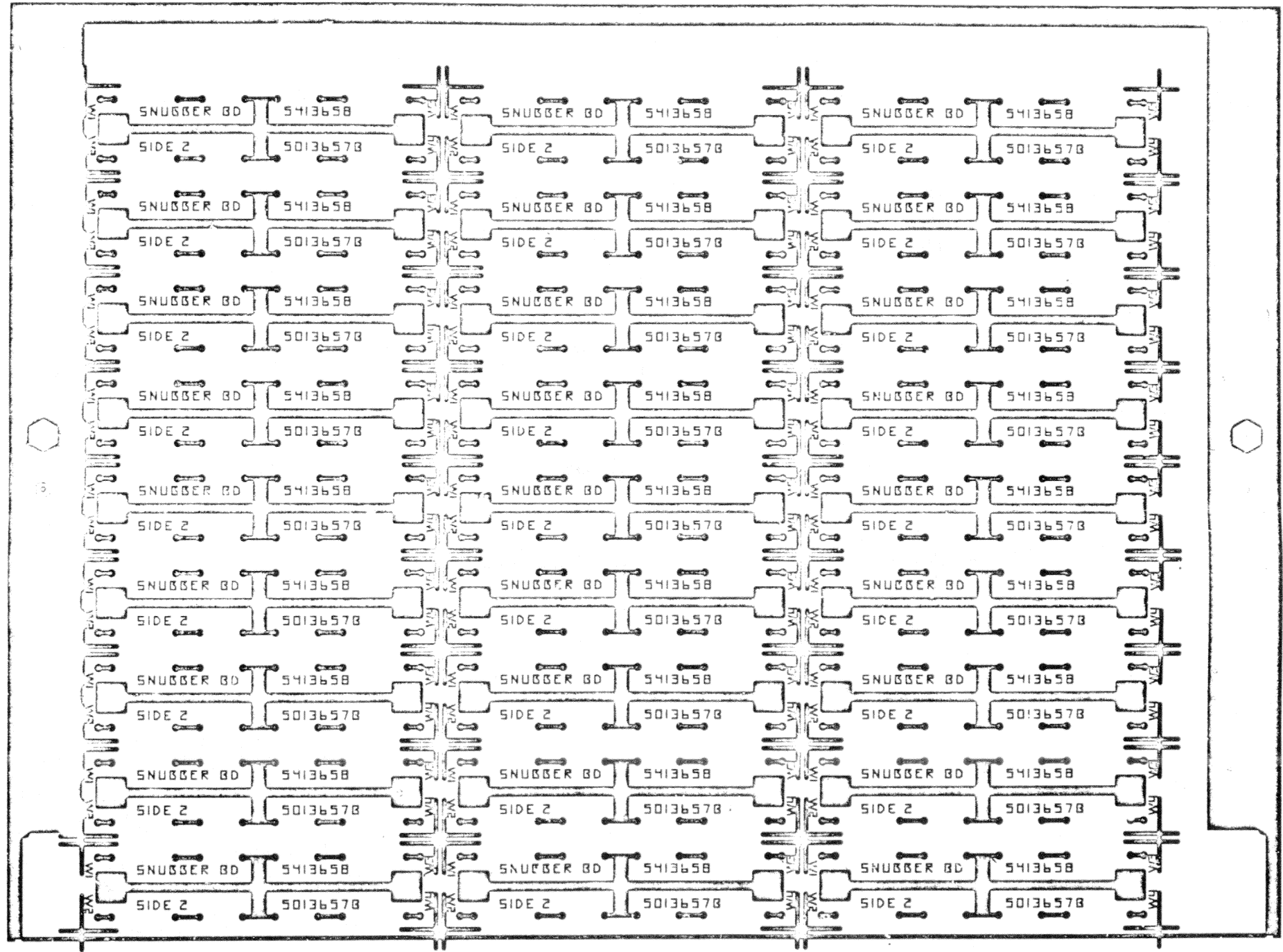
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[illegible][illegible]

ETCH REV. B
P.C. DESIGN DATA BASE REV. B

SIGNATURES		DATE	digital	TITLE SNUBBER BOARD
DRN. <i>C. E. Campbell</i>		4/11/59		
CHK'D. <i>C. E. Campbell</i>				
ENG. <i>C. E. Campbell</i>		4/11/59		
PROJ. ENG. <i>C. E. Campbell</i>		4/11/59		
PROD. <i>C. E. Campbell</i>		4/11/59		
SCALE 2/1		SIZE CODE	NUMBER	REV
SHT. 1 OF 2				
NEXT HIGHER ASSY. B-DD-5413658-0				

8 7 6 5 4 3 2 1

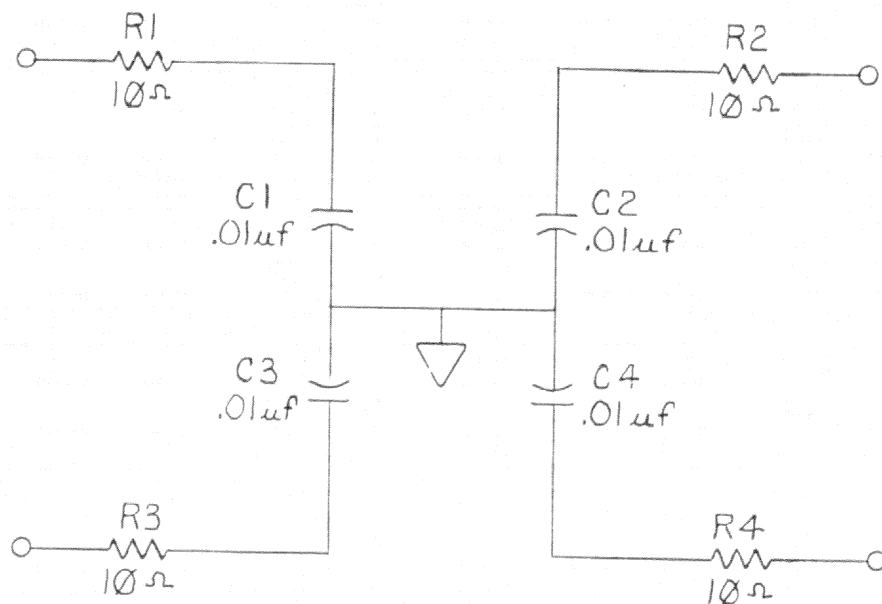


8 7 6 5 4 3 2 1

SNUGGER BOARD DUA 5413658 0 0 A

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REVISIONS	CHANGE NO.	REV.
CHK		

DRB 100A

THIRD ANGLE PROJECTION		DESCRIPTION		DWG./PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES			
ANGLES ± 90° 30'		MEDIUM		OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
SURFACE QUALITY IN MICROINCHES		PREFERRED		OVER 12.0 TO 40.0	OVER 40.0 TO 80.0		
QUANTITY & VARIATION		±.004 ±.008 ±.012 ±.016 ±.024 ±.04		±.012 ±.016 ±.025 ±.04 ±.063 ±.01			
REMOVE BURRS AND BREAK SHARP CORNERS		DRN. 8/14/79		FIRST USED ON		digital	
DO NOT SCALE DWG		CHK'D 8/14/79		TITLE		BOARD SNUBBER	
MATERIAL		ENG. 8/14/79		SIZE CODE		NUMBER	
FINISH		PROJ. ENG. 8/14/79		B CS		54136580-1	
		PROD. 8/14/79		REV.		A	
		NEXT HIGHER ASSY.		DIST.			
				SHEET 1 OF 1			

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	D-MD-5013657-0-0	5013657-00	DRILL & ETCH BOARD	1	
2	2		1011847-01	.01 MFD 400V 10% POLYPROP	4	C1-C4
3	3		1300168-00	10 1/2W 5% CC	4	R1-R4
4	4		7016878-00	JUMPER RED	4	W1-W4

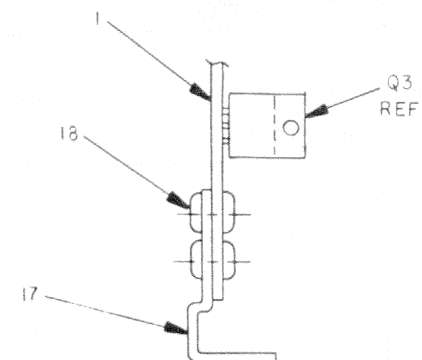
REVISION HISTORY			BASIC PART NO: 5413658			DRN: K.FRIEDGEN			DATE: 4-OCT-79			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A			CHK'D: K.FRIEDGEN			DATE: 4-OCT-79			TITLE PARTS LIST		
---	INITIAL	*	SECTION VARIATION INDEX			---			---			---		
---	INITIAL	A	[A] 00			---			---			SNURBER CARD		
			[B]			DES.ENG: J.DAVIS			DATE: 4-OCT-79			---		
			[C]			---			---			DOCUMENT NUMBER		
			[D]			RESP.ENG.: J.DAVIS			DATE: 4-OCT-79			---		
			[E]			---			---			SIZE CODE NUMBER REV		
			[F]			MFG.ENG.: J.CONSTANTINE			DATE: 4-OCT-79			K PL 5413658-0-DBP A		
			[G]			---			---			---		
			[H]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME: EDIT #		
			[I]			D-UA-5413658-0-0			B-CS-5413658-0-0			20657.PLS 5		
			[J]			---			---			---		
			[K]			---			---			---		
			[L]			---			---			---		
			[M]			---			---			---		
			[N]			---			---			---		
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TW

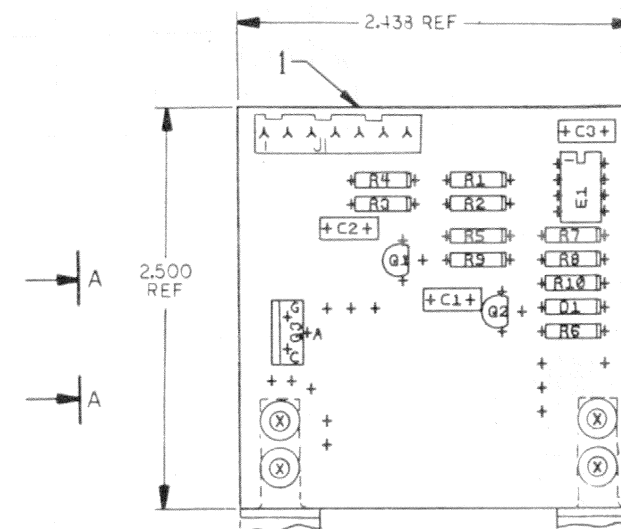
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COMPONENT SIDE VIEW



VIEW A-A



NOTES:

1 STEP & REPEAT CODE IS 2ML43.

STEP 1 + Y AXIS 2.500 STEP 3 TIMES
REPEAT + X AXIS 2.500/2.500 STEP 2 TIMES

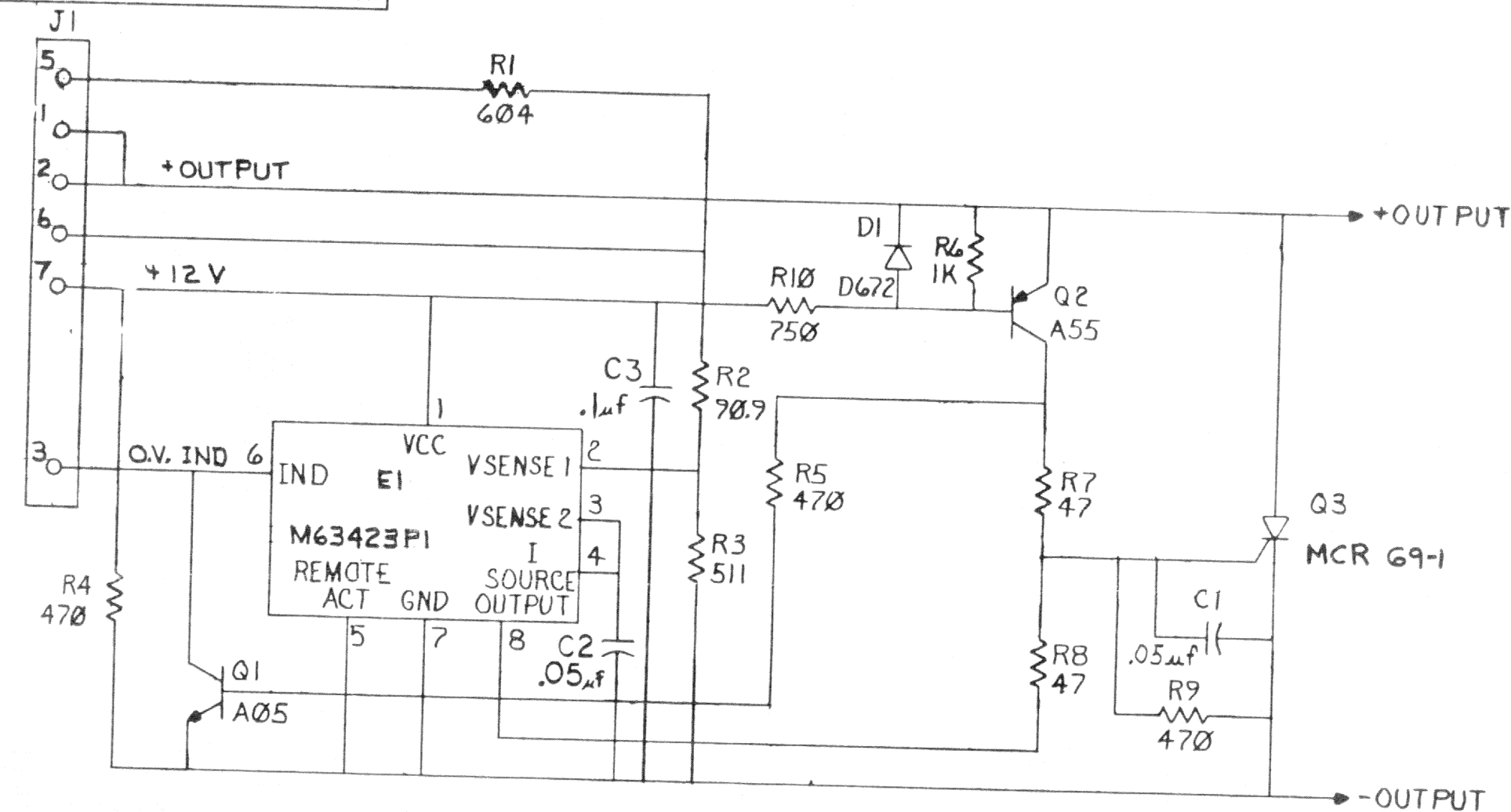
CHANGE NO. REV.
700 5413559-00 B

ETCH REV. CPI
P.C. DESIGN DATA BASE REV. CLI

SIGNATURES		DATE	digital	TITLE
DRN.		2/23/80		
CHK'D.		2-10-80		
MECH. ENG.		2-17-80		
PROJ. ENG.		2-17-80		
PROD.		2-17-80		
SCALE 2:1			SIZE CODE	NUMBER
SHT. 1 OF 1			D UA 5413559-0-0	REV B
NEXT HIGHER ASSY. B-00-5413559-0				

TW 1 MS#172119CPI

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REV.	CHG.	NO.	REV.
1	1	1	1
2	1	1	1
3	1	1	1
4	1	1	1

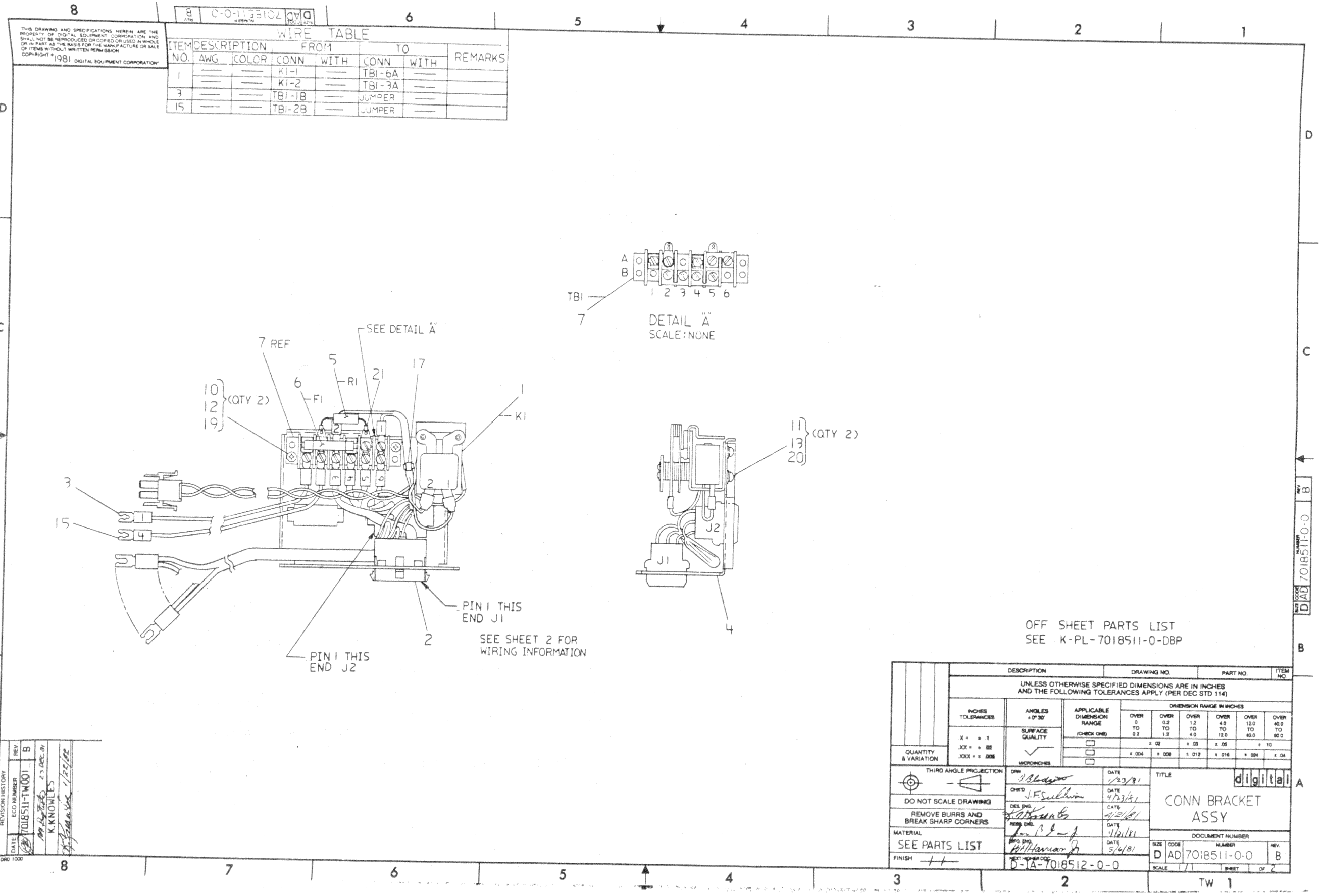
DRB 100A

THIRD ANGLE PROJECTION		DESCRIPTION		DWG./PART NO.		ITEM NO.	
REMOVE BURRS AND BREAK SHARP CORNERS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES	
DO NOT SCALE DWG		SURFACE QUALITY IN MICROINCHES		MEDIUM		OVER 1/16 TO 1/8	
MATERIAL SEE PARTS LIST		FINISH		PREFERRED		OVER 1/8 TO 1/4	
SCALE		SHEET 1 OF 1		DIST.		OVER 1/4 TO 1/2	
DRN. 2/1/79		CHK'D. 2/1/79		ENG. 1/1/79		PROD. 1/1/79	
FIRST USED ON		TITLE		CARD OVERVOLTAGE		REV. B	
SIZE CODE		NUMBER		REV.		REV.	
B		CS5413559-0-1		B		B	

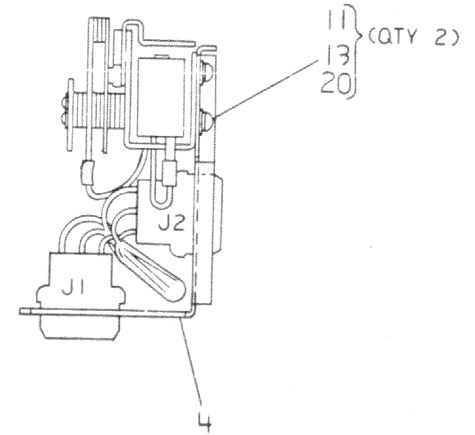
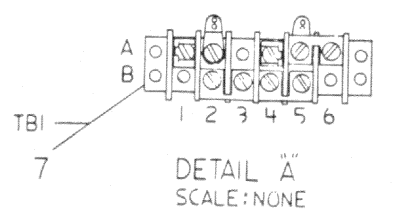
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1	1	5013558-00	ETCHED CIRCUIT BOARD	1	
2	2	1915881-00	DEC 3423 OVERVOLTAGE PROTECTO	1	E1
3	3	1105275-00	D 672 TR= 15NS PIV= 60V SI	1	D1
4	4	1001774-00	.05 MFD 25V 10% Y5U DISC	2	C1,C2
5	5	1510705-00	XA 05 NPN 500MW SI 60 50 P	1	Q1
6	6	1510706-00	XA 55 PNP 500MW SI 60 50 P	1	Q2
7	7	1117061-00	MCR 69-1 THYRISTOR	1	Q3
8	8	1313155-00	604.0 .25 W 1.0 % RN55D-F10	1	R1
9	9	1303037-00	90.90 .25 W 1.0 % RN55D-F10	1	R2
10	10	1302411-00	511.0 .25 W 1.0 % RN55D-F10	1	R3
11	11	1300316-00	470.0 .25 W 5.0 % CC	3	R4,R5,R9
12	12	1300365-00	1.0 K .25 W 5.0 % CC	1	R6
13	13	1301695-00	47.0 .50 W 5.0 % CC	2	R7,R8
14	14	1301401-00	750.0 .25 W 5.0 % CC	1	R10
15	15	1216122-01	HEADER.156 7POS KEYED	1	J1
16	16	1010978-36	.1 MFD 50V 10% CER	1	C3
17	17	7422035-00	BRKT REG. MTG	2	
18	18	9000024-01	EYELET,ROLL FLANGE .1210DX .192	4	

REVISION HISTORY			BASIC PART NO: 5413559			DRN: S.NORRIS			DATE: 09-AUG-79			D I G I T A L			
ENG	ECO NUMBER	REV	SECTION A OF A												
---	INITIAL	B	SECTION VARIATION INDEX			CHK'D: K.FRIEDGEN			DATE: 18-OCT-79			TITLE PARTS LIST			
---	INITIAL	A	[A] 00									OVERVOLTAGE CARD			
AL	TW1	B	[B]			DES.ENG: J.DAVIS			DATE: 18-OCT-79						
			[C]												
			[D]												
			[E]												
			[F]			RESP.ENG.: J.DAVIS			DATE: 18-OCT-79			DOCUMENT NUMBER			
			[H]									SIZE CODE NUMBER REV			
			[J]												
			[K]			MFG.ENG.: C.J.CONSTANTINE			DATE: 18-OCT-79			K	PL	5413559-0-DBF	B
			[L]												
			[M]			ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:			EDIT #
			[N]			D-UA-5413559-0-0						Z0658B.PLS			9

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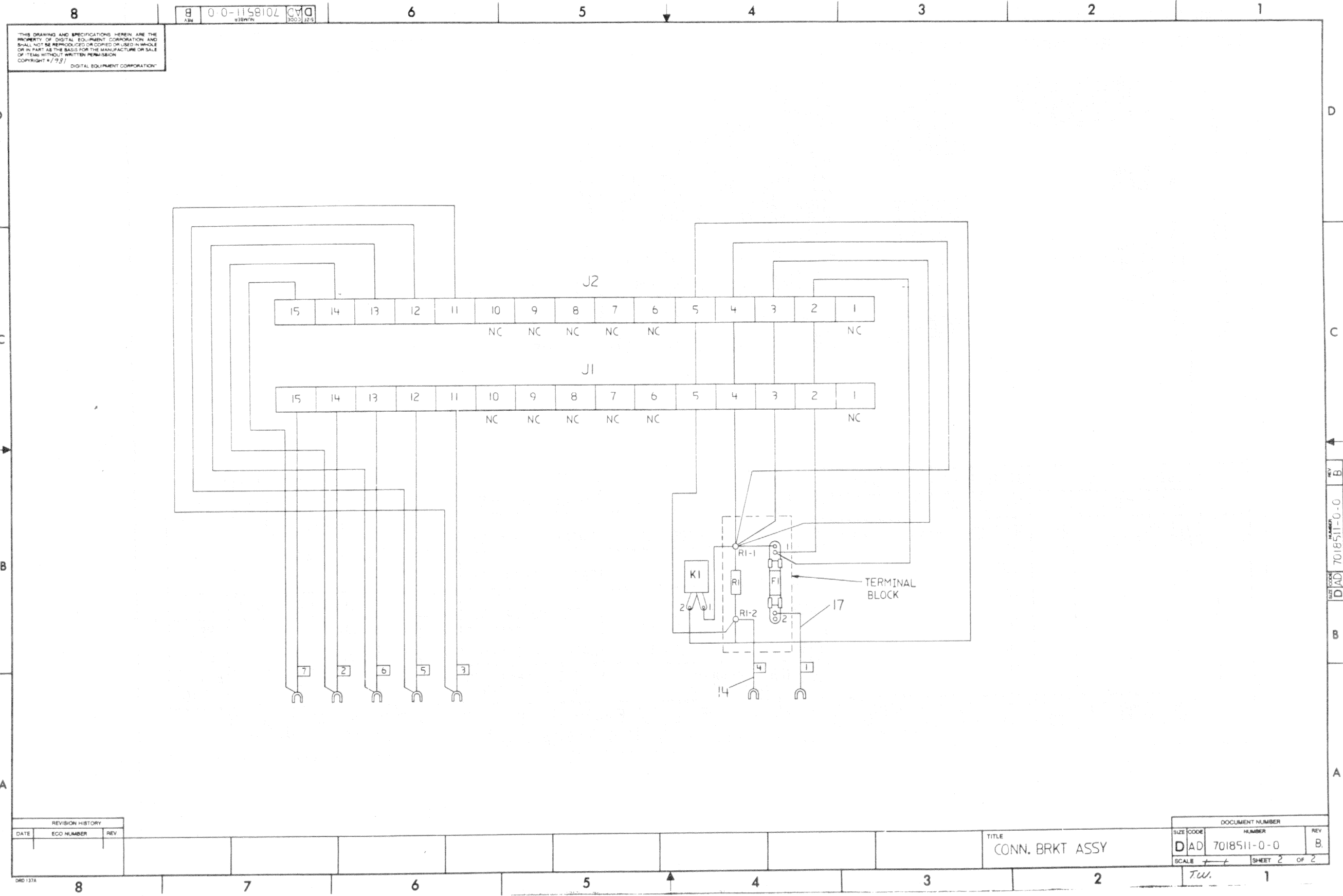
WIRE TABLE						
ITEM NO.	DESCRIPTION	FROM	TO	REMARKS		
1		K1-1	TBI-6A			
		K1-2	TBI-3A			
3		TBI-1B	JUMPER			
15		TBI-2B	JUMPER			



OFF SHEET PARTS LIST
SEE K-PL-7018511-0-DBP

REVISION HISTORY	
DATE	REV
1000W-115B101	B
23 DEC 81	
K. KNOWLES	
1/22/82	

DESCRIPTION		DRAWING NO.	PART NO.	ITEM NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND THE FOLLOWING TOLERANCES APPLY (PER DEC STD 114)							
INCHES TOLERANCES	ANGLES ± 0° 30'	APPLICABLE DIMENSION RANGE (CHECK ONE)	DIMENSION RANGE IN INCHES				
			OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0
			± .02	± .03	± .05	± .10	± .15
			± .004	± .006	± .012	± .024	± .04
QUANTITY & VARIATION	SURFACE QUALITY	THIRD ANGLE PROJECTION	DATE	TITLE			
X = .1	✓	✓	1/23/81	CONN BRACKET ASSY			
XX = .02			4/23/81				
XXX = .005			4/24/81	DOCUMENT NUMBER			
			4/24/81	D AD 7018511-0-0			
			5/4/81	SCALE 1/1			
				SHEET OF 2			



PARTS LIST

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	1	C-IA-7018516-0-0	7018516-00	RELAY ASSY.	1
1	1	D-IA-7018514-0-0	7018514-00	BOTTOM PAN HARNESS	1
1	1	C-IA-7018515-0-0	7018515-01	JUMPER	1
1	1	D-IA-7425497-0-0	7425497-00	BRACKET, CONNECTOR	1
1	1		1314848-00	3.0 7.0 W 5.0 % WW	1
1	1		9008527-00	FUSE, SLO BLO 1/8 A, 250V GLASS	1
1	1		1218684-00	TERM BLOCK 12POS	1
1	1	BLANK		*** THIS ITEM IS NOT USED ***	1
1	1	BLANK		*** THIS ITEM IS NOT USED ***	1
1	1		9006024-01	SCREW, PAN, PHIL 6-32X 1/2 SS	1
1	1		9009301-01	SCREW, PAN, PHIL 4-40X 1/4 SS	1
1	1		9007801-00	WASHER, LOCK, S.S. #6	1
1	1		9006688-00	WASHER, LOCK, S.S. #4	1
1	1	BLANK		*** THIS ITEM IS NOT USED ***	1
1	1	C-IA-7018515-0-0	7018515-00	JUMPER	1
1	1	BLANK		*** THIS ITEM IS NOT USED ***	1
1	1		9007031-00	TIE, CABLE BUNDL DIA 0- 3/4"=101	1
1	1	BLANK		*** THIS ITEM IS NOT USED ***	1
1	1		9006656-00	WASHER, FLAT, .312 O.D. X .156 I	1
1	1		9006655-00	WASHER, FLAT, .312 O.D. X .125 I	1
1	1		9107305-00	TUBING, SHRINK 3/16 DIA. EXP UL A/R	1

REVISION HISTORY			BASIC PART NO: 7018511			D I G I T A L		
ENG	ECO NUMBER	REV	SECTION A OF A	DRN:	T.MCCULLOUGH	DATE:	23-JAN-81	
---	INITIAL	A	SECTION. VARIATION INDEX	CHK'D:	J.FERGERTSON	DATE:	23-JAN-81	TITLE
KK	7018511-TW001	B	[A] 00					PARTS LIST
			[B]	DES.ENG.:	K.KNOWLES	DATE:	23-JAN-81	CONNECT, BRKT. ASSY
			[C]					
			[D]	RESP.ENG.:	K.KNOWLES	DATE:	23-JAN-81	DOCUMENT NUMBER
			[E]					SIZE CODE NUMBER REV
			[F]	MFG.ENG.:	G.RAINAULT	DATE:	23-JAN-81	K PL 7018511-0-0 B
			ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:		FILE NAME:		EDIT #
			D-AD-7018511-0-0	D-AD-7018512-0-0		Z2434B.PLS		15
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2



i



